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VAUGHAN'S SEEDS

1915

Vaughan's "Colossal" Zinnias

CHICAGO

NOS 31-33 W. RANDOLPH ST

VAUGHAN'S SEED STORE 38th Year

J. C. VAUGHAN, President. L. H. VAUGHAN, Vice-Pres. CARL CROPP, Sec. and Treas.

CHICAGO
31-33 W. Randolph Street
Phone Central 1885

Greenhouses, Trial Grounds and Nurseries,
WESTERN SPRINGS, ILL.
Greenhouses, Phone Western Springs 339
Nurseries, Phone Western Springs 354R

NEW YORK
43 Barclay Street
Phone Barclay 6055, 6056

How To Order — WE RESPECTFULLY REQUEST CUSTOMERS TO FOLLOW THESE INSTRUCTIONS AND TO FILL OUT ORDER SHEETS CAREFULLY

Early Orders Kindly send in your order as soon as convenient after receiving catalog. Our rush season comes in the months of March and April. Orders sent as early as possible secure the promptest shipment and from our complete stocks.

Daily filling of seed store orders is the Vaughan rule.

Order Sheets Use the order sheets accompanying this catalogue. One for **Seeds, Bulbs and Garden Sundries,** the other for **Trees, Plants and other Nursery Stock.** Please fill in all particulars carefully and distinctly and keep a copy of your order.

Seed and Bulb Orders should have the quantity required written distinctly in the column provided for same with prices. Flower Seeds may be ordered by name, or by the marginal number.

Plant and Tree Orders should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the price for same carried out.

All Trees, Shrubs and Hardy Plants are shipped as soon as the weather permits. Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February.) Mention in your order shipping instructions and date required.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post **Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form), odorless fertilizers and requisites, may be forwarded by **domestic parcel post** within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc. where we give mailable weights throughout the catalog.

You will find your Zone Number following your name on the wrapper of this catalog. Please mark this number in the space provided for same on the top right hand corner of all orders which you send to us.

Express Shipments General orders for garden seeds, where **peas, beans and corn** form a large proportion, are best sent this way. Orders over 5 lbs. weight going to 5th Zone and beyond, will travel cheaper than by parcel post.

Our Terms with customers not having an account are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock, are sent C. O. D.

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

Our Responsibility It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

We wish it understood that all our stocks are sold under the following general non warranty:

We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

VAUGHAN'S SEED STORE, Incorporated

WE PREPAY to any place in the U. S. or its dependencies all Vegetable, Flower or Lawn Seeds, by the packet, ounce, ¼ pound and pound (single pound rate) at catalogue prices.
WE PREPAY transportation charges (mail, express or freight, at our option) on all orders of $2.00 and over, for seeds enumerated above, including pints of beans, peas and sweet corn, at catalogue prices, to any post or express office within 600 miles of Chicago or New York (first to fourth postal zones inclusive). Seeds quoted in 4 quart and larger quantities, or 3 or 5 pound lots or larger are sent at buyer's expense.
N. B.—Buyers who are beyond 4th Zone from Chicago or New York may have all seeds above mentioned prepaid to any address for 5 cents per pound or pint, or 10 cents per quart additional. This offer includes the 5th, 6th, 7th and 8th zones and the dependencies of the U. S.
These Special Free Deliveries do not include C. O. D. shipments which travel at buyer's expense.
We advise for safety against injury, to use express shipments on parcels weighing over 15 lbs.

Front Cover Illustration

Vaughan's Colossal Zinnias

THE Zinnias illustrated on the front cover page give but a faint idea of the wonderful beauty of the blossoms which were selected out of a gorgeous armful for this picture.

They were grown by an amateur flower-loving friend of ours in Chicago and show what an improvement has been made in recent years in color and size of these old-fashioned flowers.

New colors are added, depth and size given to the blooms, and a rich velvety appearance to the petals.

We have prepared a new mixture of these showy flowers, naming it

VAUGHAN'S COLOSSAL ZINNIA MIXTURE

Price, 15c per pkt., ¼ oz. 30c; oz. $1.00

(For separate colors of these, and general list of Zinnias see page 86.

PARCEL POST RATES BY ZONES

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof	5c.	1c.
Second Zone within 50 to 150 miles of either	5c.	1c.
Third Zone within 150 to 300 miles	6c.	2c.
Fourth Zone within 300 to 600 miles (See our **prepaid offer** above for zones 1 to 4.)	7c.	4c.
Fifth Zone within 600 to 1000 miles	8c.	6c.
Sixth Zone within 1000 to 1400 miles	9c.	8c.
Seventh Zone within 1400 to 1800 miles	11c.	10c.
Eighth Zone all over 1800 miles and Canada	12c.	12c.

NOTE.—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of this size Vaughan's Seed Store prepays Free.

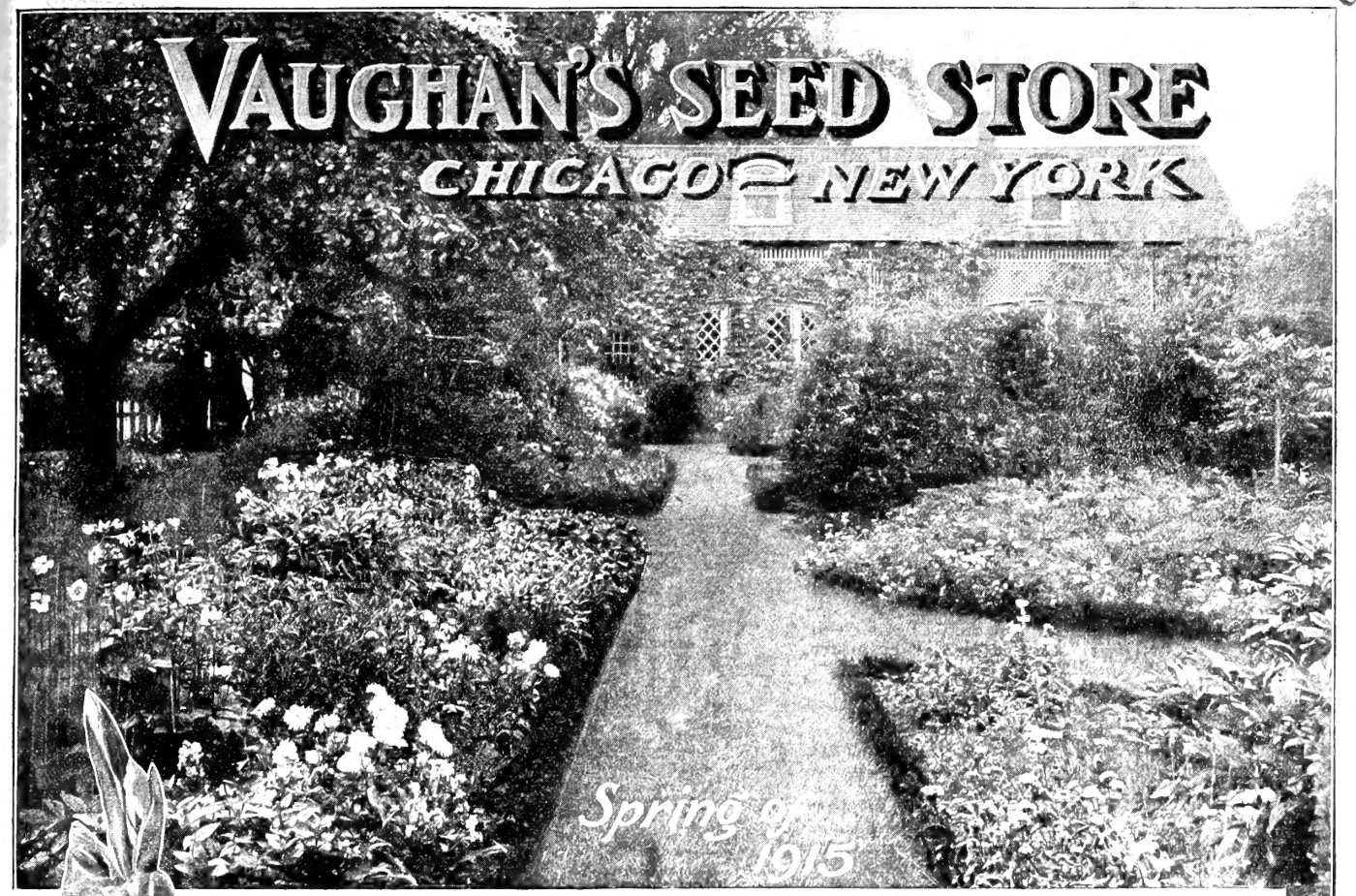
Seeds ordered at peck, bushel, five pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible.

To liberal orders from distant points we add free, special new varieties of value to partly cover increased postage or express charges.

RETURN TO POMOLOGY

VAUGHAN'S SEED STORE

CHICAGO NEW YORK



THE creation of values from the soil by growing garden crops from seed, whether by the home gardener, market gardener, or farmer, is the most direct and effective remedy for "Hard Times." These garden vegetable crops are produced with no cash outlay except the trifling cost of seed and fertilizer. The actual crops so produced represent often a ten fold saving of actual cash which would otherwise be expended for vegetables much inferior to those produced at home.

Yet the product of the home vegetable garden, the truck patch or the sweet corn plat need not make up all of garden value created. Cut flowers may be produced with equal readiness, and their market value, already well established, continues to increase yearly in every village and city of the country.

We may thus compare favorably the money, as well as the sentimental, value of Vaughan's Asters, Pansies, Gladiolus and Lilies grown for cut flowers, with those delicious products of the truck garden.

We have called attention so often in our former books to the pleasures of gardening and care of and improvement of home grounds, that we find little to add for 1915. But we again invite your attention to the fact that Vaughan's Gardening Illustrated covers completely all that is required in horticultural work.

The FOUR GREAT DEPARTMENTS mentioned below in their growth, flowering and products, typify the ever advancing seasons whose changes make up the never failing charm and pleasure of outdoor life.

Seeds for the Vegetable Garden

As supplied by us for more than thirty-five years to the market gardeners and critical private planters.

Seeds for the Flower Garden

The best in America. A most complete list of the best only.

Greenhouse Plants for House, Lawn and Conservatory

Grown at Vaughan's Greenhouses, 150,000 feet of glass.

Shrubs, Trees and Hardy Plants

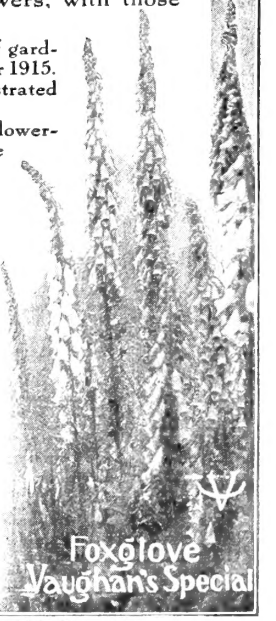
Grown on our Nursery Grounds and in out door frames.

The outbreak of the War at the end of July found our seed traveller in Southern France, and as soon as possible, we arranged for his continued stay and visits to our seed growers in that country, then to England, Holland, Scotland, covering Germany by correspondence, and returning at the close of the season.

By this long trip and a stay of several weeks in each country, we not only secured the best prices obtainable, but prompt packing and shipment of best stocks, inspected and approved on the spot.

For these reasons our catalogue will be found nearly as complets as usual, and at—**prepayment considered**—lower prices than usual.

Specimen Flower Spike
Vaughan's Rainbow
Gladiolus Mixture



Foxglove
Vaughan's Special

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VAUGHAN'S Vegetable Seed Novelties and Specialties for 1915

On our novelty and specialty pages we call particular attention to new varieties we consider of merit and to new or improved types of Standard Varieties. They have all been tested and we know they are worthy of a place in your garden.

BEAN NOVELTIES AND SPECIALTIES

On our farm in Michigan we have been making a specialty of breeding Dwarf Garden Beans. There are no better stocks. The Bean crop this year, due to early disastrous rains and later drought, is as short perhaps as it has ever been. Order early; there will not be nearly enough to go around, especially of new true stocks.

NEW STRINGLESS GREEN POD REFUGEE

A stringless strain of the popular Refugee 1,000 to 1 Green Pod Bean. A main crop, prolific, high quality, sort. The pods are fleshy, round, tender, brittle, and over five inches in length. Considered the best of all canning varieties because of its attractive light green color. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; peck, $2.25; bu., $8.00.**

MICHIGAN WHITE WAX

A splendid new early wax variety of the Dwarf Golden Wax Type. While quite similar in general appearance to the Golden Wax, Michigan Wax has the following points of superiority. The seed is clear white, so in cooking as string beans, the pods keep their rich buttery look without the discoloration caused by colored seed, the vines are more vigorous and a little taller than the older sort; the pods average a little larger, are more uniform in size and are produced in greater numbers, while at the same time the peculiar meaty and distinctive high eating quality of the Golden Wax is retained. **Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 40c; ½ pk., $1.50; pk., $2.75.**

Michigan White Wax

POLE BEAN KENTUCKY WONDER WAX

This bean we consider the best pole wax sort for Northern Planting. Its habit of growth is similar to that of the older Kentucky Wonder Green Pod, and bears equally as early, beginning when scarcely higher than the average bush bean. The pods are beautiful golden yellow and so fleshy that they often are greater in thickness than in width. **Pkt., 10c; pt., (about 1 lb.), 25c; qt., (about 2 lbs.), 45c; ½ peck, $1.50; peck, $2.75.**

PHENOMENON POLE BEAN—Green Pod

The pods of this remarkable new German sort are very long, dark green in color and of excellent flavor. The pods are produced in prodigious quantities, surpassing any other Pole Bean. The seeds are white; season early. **Pkt., 10c; 3 for 25c.**

FILLBASKET POLE BEAN

A new German, Green-podded Pole Bean with pods of immense size; superior quality and extremely productive.
Price, Pkt., 10c; 3 for 25c.

FORDHOOK BUSH LIMA BEAN

This is a great improvement on the Dreer Bush or Potato Bush Lima Bean. In habit of growth this new variety is stiffly erect. The older Dreer or Kummerle grew low and spready and the pods, thus coming in contact with the ground, often became discolored. This Fordhook is early in season, the pods are double the size of the Kummerle Bush Lima and contain four or five large beans, which are thicker and larger than the old sort. The color of the bean is a handsome green, and quality tender, juicy and sweet, a great contrast to the dry, mealy bean of the older variety. **Pkt., 10c; pt. (about 1 lb.), 30c; qt. (about 2 lbs.), 50c; ½ pk., $1.75; pk., $3.25.**

VAUGHAN'S MONSTER STRINGLESS WAX

This beautiful Bean we regret to announce again is so short in crop we are unable to offer this year.

I cannot consider any seed, after years of planting, but yours. I think it is 21 years since I first bought and used your seeds and they have always given the best satisfaction. MRS. M. C. RICHARDS, Aurora, Ill.

Chicago Giant Self Blanching Celery

CHICAGO GIANT SELF-BLANCHING CELERY

Superior to all other Extra Early White Celeries. Can be sown in February and marketed by July 1st, and for early fall use has no superior. This is a real business builder for the market gardeners, for the reason that it is a luxury in the early season of the year. It is the whitest early celery, it is crisp, tender, brittle, very sweet and has a delicious nutty flavor that is superior to any other on the market. In growth Chicago Giant is extremely vigorous, so much so that it has a tendency to throw a small percentage of off-plants. To hold it uniform we are sparing no expense. **Pkt., 10c; ½ oz., 20c; oz., 35c.**

CABBAGE—DANISH RED STONEHEAD

A very hard-heading late red cabbage. The color is a deep intense red—a cross section through the cabbage shows very little white. The heads are round and ball-shaped, very compact, and keep well into the winter—a very profitable sort in all sections where the Danish White Cabbage like Ballhead do well. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.20; lb., $3.60.**

COPENHAGEN MARKET CABBAGE—The Best Early Flat Head Sown

COPENHAGEN MARKET

The illustration above is a good representation of a splendid new early cabbage, one our customers should not overlook. It is the earliest large round or flat-headed sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering its early season, the heads are remarkably large, averaging ten pounds in weight. One of its chief features is compactness; its leaves, which are light green, are round, dish-shaped and fold tightly together in remarkably compact and solid form; it is so solid that many more plants can be grown on an acre than is possible with most sorts. It has few outer leaves, which permits close planting, and it grows close to the ground on a short stem. The entire crop can be harvested at one time and thus clear the field for other crops. In quality it is exceptionally good; earliness, ripening at one time, compact growth, large heads and high quality are features which have made this cabbage a standard in three years' time. A trade holder and a high money maker for the market gardener. Introducer's stock. **Pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., $1.25; lb., $4.10.**

VAUGHAN'S Vegetable Seed Novelties and Specialties for 1915

DUTCH WINTER OR HOLLANDER DANISH GROWN

Stock Seed. The value of careful and scientific seed breeding nowhere shows to more advantage than in growing cabbage. A small amount of seed produces enough plants for the setting out of a large acreage. The seed cost thus is of minor importance, in view of the relative values of seed and crop.

See photo. Note the poles marking stock seed heads.

Some years ago we made arrangements with a celebrated Danish Cabbage Seed Grower to raise for us a quantity of Stock Seed of the Dutch Winter or Hollander (Short Stem). For a certain price he agreed to rogue or cull his seed cabbages until each plant was just like another—in other words, to grow for us in quantity just such a quality of seed as he, as a grower, would use for stock seed. Needless to say, this strain is now being grown exclusively for Vaughan's Seed Store. (See p. 24).

Price, pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., $1.25; lb., $4.10.

CELERY CABBAGE

CELERY OR CHINESE CABBAGE

Pe Tsai. Improved Chinese Cabbage. The market appearance of this cabbage in quantity the past two years has created a widespread demand for the seed. It is very easily grown and does well in nearly all parts of the country. It should be grown like a late cabbage, planting in July (turnip planting time), as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. The full grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled minced and seasoned with butter, it is especially delectable. **Pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., $1.25; lb., $4.25.**

DUTCH WINTER OR HOLLANDER—Growing for Seeb

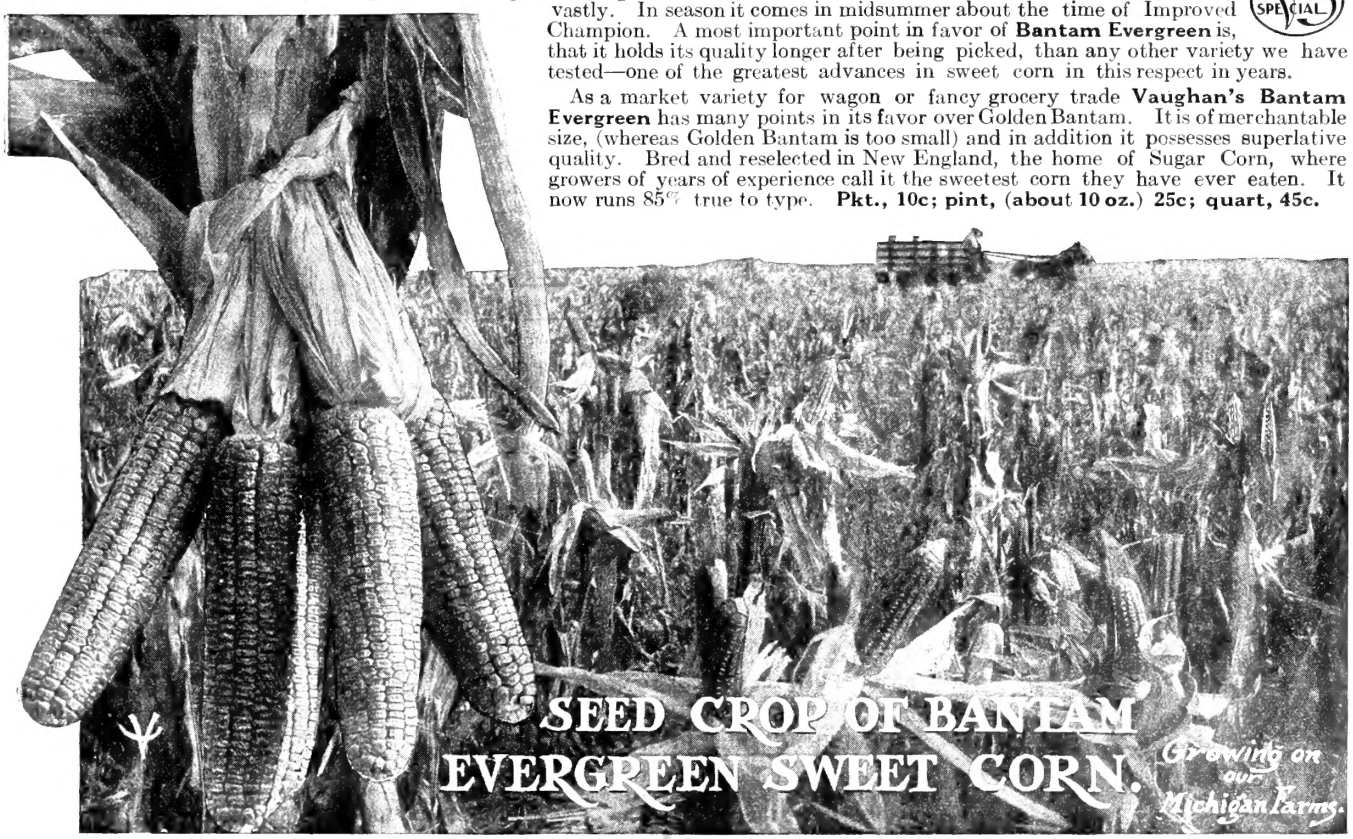
MALAKOFF SWEET CORN

This is an ideal variety for the Northern States and Canada where the season demands a quick maturing corn. Malakoff Sweet Corn is sure to retain its popularity on account of its exceptional fine flavor. It is away in advance in this respect over other varieties which mature at the same period. It is a dwarf growing corn rarely exceeding 4 feet in height. The stalks generally average 2 ears to each, which are small, slender, 12 rowed, with a small white cob. The kernels are shallow and sweet. We have made a specialty of this variety. Our stock seed has been carefully reselected and the crop harvested on our Michigan farm. Grown in that latitude will insure an extra early strain and superlative quality. **price, Pkt., 10c; pt. (about 10 ozs.), 15c; qt. (about 20 ozs.), 30c; 2 qts., 50c; 4 qts., 85c; pcek., $1.50; bu., $5.75.**

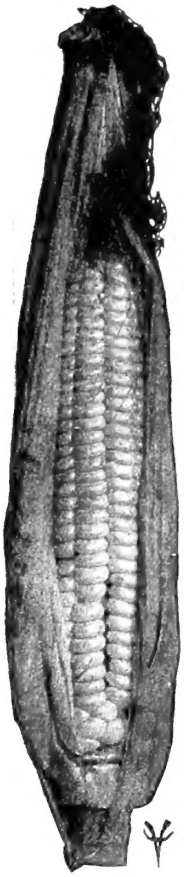
VAUGHAN'S BANTAM EVERGREEN—The Sweetest Sugar Corn

Golden Bantam X Stowell's Evergreen is the first successful Bantam cross. The Bantam sweetness is retained and the size is at last satisfactory, being almost as large as Evergreen. A hull thinner than Bantam, increases the eating quality vastly. In season it comes in midsummer about the time of Improved Champion. A most important point in favor of **Bantam Evergreen** is, that it holds its quality longer after being picked, than any other variety we have tested—one of the greatest advances in sweet corn in this respect in years.

As a market variety for wagon or fancy grocery trade **Vaughan's Bantam Evergreen** has many points in its favor over Golden Bantam. It is of merchantable size, (whereas Golden Bantam is too small) and in addition it possesses superlative quality. Bred and reselected in New England, the home of Sugar Corn, where growers of years of experience call it the sweetest corn they have ever eaten. It now runs 85% true to type. **Pkt., 10c; pint, (about 10 oz.) 25c; quart, 45c.**



VAUGHAN'S Vegetable Seed Novelties and Specialties for 1915



EARLY IOWA

EARLY IOWA SWEET CORN

VAUGHAN'S SPECIAL

This variety produces, under middle west conditions, the earliest Sweet Corn with ears of marketable size—a week earlier than Red or White Cory. The illustration shows evenness of kernels. Size equal to Cory, quality superior. The ears are eight-rowed, usually two to a plant. The stalks are short, with little foliage. After six years' trials we have found no corn now on the market to equal Early Iowa in the combination of size and earliness. Originated in Iowa, where its breeder is always first on the market, a week to 10 days ahead of competitors. Grown on our farm in Michigan.

Pkt., 10c; pt. (about 10 oz., 20c); qt., 30c; 2 qts., 50c; 4 qts., 90c; pk., $1.55; bu., $5.50.

ENDIVE, BATAVIAN AUTUMN GIANT

Called Escarolle in the South. The finest quality and largest in size of any strain of Batavian salad yet offered. Truly a giant. Its large full heart blanches easily by the ordinary method of tying the outside leaves. Ideal for early fall use. It does not stand severe frosts. **Pkt., 10c; oz., 30c.**

LETTUCE, BLACK SEEDED BIG BOSTON

This is an improved shipping strain of the regular Big Boston. The leaves run slightly smaller and under certain conditions it seems to head harder and does not rot as quickly in cold rainy weather. This Lettuce is having a great call in large Southern Lettuce Sections. A very uniform strain.

Pkt.,5c; oz., 20c; ¼ lb., 50c; lb., $1.75.

LETTUCE WAYAHEAD

A very early head lettuce of about the same season as May King but of larger size. The color too is more attractive than May King. The head is a nice golden yellow and the outer leaves light green. For an early variety it is quite slow to run to seed.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 65c; lb., $2.00.

VAUGHAN'S ONION SEEDS OF SPECIAL MERIT

Our strain of the Market Globe Onions including the Southport Yellow and Red Globe, Apple Shaped Red Globe, Ohio Yellow Globe and others are almost in a class by themselves. Read our article "Seed Insurance" on the inside back cover and our onion pages Nos. 40, 41, and 42.

Regarding Central Market Forcing Lettuce, it is a beautiful yellow, compact-growing variety. GEO. WITTLINGER, Supt., Eagle Park, Ossining, N. Y.

NEW EARLY PEPPER, GIANT CRIMSON

The growing popularity of the large sweet pepper as a table vegetable, instead of using it only for seasoning and pickles, has produced a development in this plant almost as rapid as that of tomatoes of a generation ago. Giant Crimson is especially desirable for the Central States, as it matures the earliest of all the extremely large, red sweet peppers. In habit the plant grows two and one-half feet high—vigorous and upright. The fruit is large, runs even in both size and shape and is produced in more abundance than some of the other large varieties like Chinese Giant. The color is a deep green when young and a rich red when ripe—flesh thick, sweet and very mild. **Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50; lb., $4.50.**

CRIMSON GIANT

PEPPER, SMALL PIMENTO

To be distinguished from the larger or California Pimento. Squash shaped, early and very sweet. **Pkt., 10c.**

GOLDEN CREAM SWEET CORN

A Cross Between Country Gentleman and Golden Bantam

A late yellow sweet corn, although earlier than Country Gentleman. The kernels are long and pointed, the cob very slender, and the whole ear a trifle larger than Golden Bantam. Planted with Golden Bantam and Bantam Evergreen the three varieties yield in succession and on account of their similar color may be planted next to each other. Yellow and white corns planted together spot each other and spoil their table appearance. Quality is exceptionally good, very much the same as Golden Bantam. **Pkt. 10c; pt, (about 10 oz.), 20c; qt. (about 20 oz.), 35c; ½ peck, $1.00; peck, $1.75; bu., $6.50.**

Vaughan's seeds have been highly satisfactory and we recommend the same to the general public. ALEXIAN BROTHERS HOSPITAL, Oshkosh, Wis.

This is everywhere a better melon than the Netted Gem (or Rocky Ford). It is the triumph of the grower in breeding for these points—uniform size, closeness of netting, roundness of form, tough rind, blight resistance.

Quality—The flesh is of fine grain (not stringy) and of the sweetest flavor. **HOODOO** melons from Michigan points bring the highest prices on the Chicago market, in competition with the whole United States.

Size and Shape—The size of **HOODOO** is just right (about the same as Rocky Ford) so that it may be served cut in halves. In shape somewhat more round than the Rocky Ford Gem, a fine feature in packing for shipment.

Flesh and Color—The flesh is of deep orange color and extremely thick, there being only a small seed cavity.

As a Shipper—The netting is ideal, heavy and close; the melon solid and heavy and firm at the blossom end. It is absolutely without a superior in shipping to distant markets.

VAUGHAN'S SPECIAL

Prolific—A wonderfully prolific melon, which nearly always, even under unfavorable conditions, produces a fine quality melon quite early in the season. It also withstands blight much better than other varieties.

Originator's Stock, pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.50. Regular Stock, pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., $1.00.

HOODOO The "Money Melon"

RE-SELECTED STRAIN HOODOO

(Morrill's)

A re-selection made in the Benton Harbor district, a trifle better shipper and more prolific.

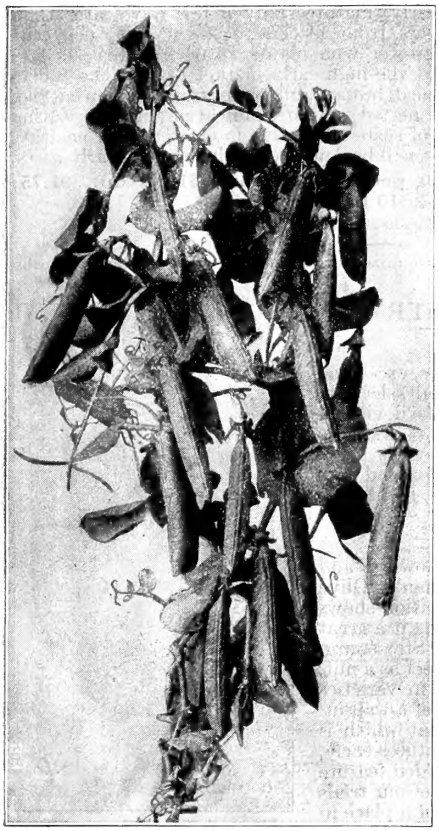
Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.75.

PUMPKIN, MAMMOTH OR LARGE SWEET

This pumpkin is one of the largest, if not the largest, of all varieties. For a series of years it has won first prize at the Illinois State Fair right in the pumpkin growing center of the country. The vines are productive and usually yield several large fruits per vine. Single specimens often reach a hundred pounds in weight and the average is around thirty to forty. The largest fruits are almost always warted. The skin is light yellow in color; flesh a deep orange and sweet. Fine for both pies and stock feeding.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

The Latest and Best GARDEN PEAS



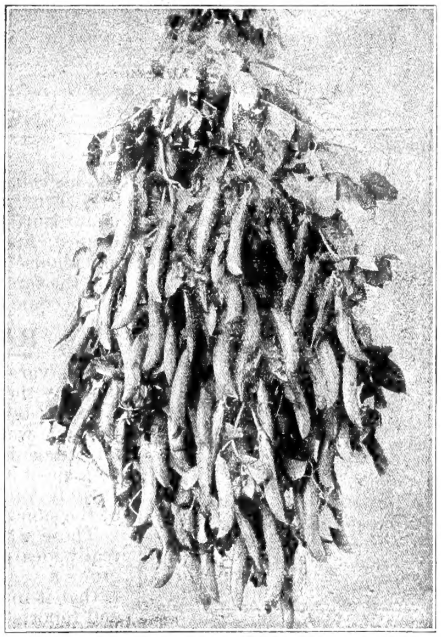
VAUGHAN'S TOP O' THE MORN

VAUGHAN'S TOP O' THE MORN (NEW)

To improve upon existing varieties of Culinary Peas is not an easy matter. Our Mr. J. C. Vaughan, on his European tour in 1913, observed a new pea in the trial grounds of one of the leading experts which was so remarkable for its size, quality and earliness that he immediately purchased the stock.

This new variety we have named "Top o' The Morn" and we think it outstrips all early dwarf wrinkled varieties for the home garden. In appearance it resembles the "Little Marvel," the pods being similarly blunt ended but much longer, and as they are produced in pairs and clusters all up the haulm the total increased yield is considerable.

We foresee a great future for this Pea. It is certainly a variety ideally adapted to the needs of the home gardener. Does not require staking—vines attain the height of 18 inches—foliage of a deep green color. Peas firmly packed in big pods and of an exquisite flavor. **Pkt., 15c; ½ pint, 25c (postpaid); pt. (about 1 lb.), 45c; qt. (about 2 lbs.), 75c.**



LAXTON'S SUPERB

LAXTON'S SUPERB
Semi-Wrinkled

The most important Market Garden Pea introduction since Gradus. The originators, Laxton Bros., of England, consider it second to none of the many peas they have raised. The pods, which are large and slightly curved are twice the size of the Pilot (smooth seeded grades) and can be gathered at almost the same time. This variety possesses a very robust constitution and can be safely sown earlier than wrinkled sorts without danger of the seed rotting in the ground. The market gardener can plant this dwarf pea between other crops like tomatoes, thus producing two crops at the same time on the same land.

On account of its heavy yielding capacity and size of pods, Laxtons' Superb is sure to become one of the standard varieties. Every gardener should know this pea. **Price, Pkt., 25c; ½ pt., 50c, postpaid; pt. (about 1 lb.) 80c; qt. (about 2 lbs.) $1.50.**

LAXTONIAN

PIONEER—"Giant Podded Dwarf"

The second introduction in the Giant Podded Dwarf Class—of about the same general usefulness as Laxtonian. In some sections this pea has done better than Laxtonian, while in others Laxtonian is in greater favor—pods as large as Gradus; almost if not quite as early. The peas are large and of superb flavor. **Price, Pkt., 10c; pt. (about 1 lb.) 25c; qt. (about 2 lbs.) 45c; 4 qts., $1.25; peck, $2.25; bu., $9.00.**

LAXTONIAN—The New Dwarf Gradus

The **tall, extra early,** Gradus pea, with its **large telephone-like pods** and its **exquisite flavored** peas is one of the most popular of all peas. In Laxtonian we have a dwarf type of the Gradus with the same large pods—almost the same in season and, moreover, **requiring no supports**—and the **same superlative quality peas.** This new Dwarf Pea is the **largest podded** of all **the early dwarf peas** and requires **no supports of any kind.** Laxtonian almost makes for itself a new class of garden peas—Giant Podded Early Dwarfs.

This new pea ripens in season a few days later than the first earlies, the pods are as large as Telephone and well filled with **eight to ten large and delicious peas.** We were the first American firm to offer Laxtonian and our seed has been grown in America the past few years under our direct supervision. The American Seed is far more vigorous and productive than English Stock. **Pkt., 10c; pt. (about 1 lb.) 25c; qt. (about 2 lbs.) 45c; 4 qts., $1.25; pk., $2.25; bu., $9.00.**

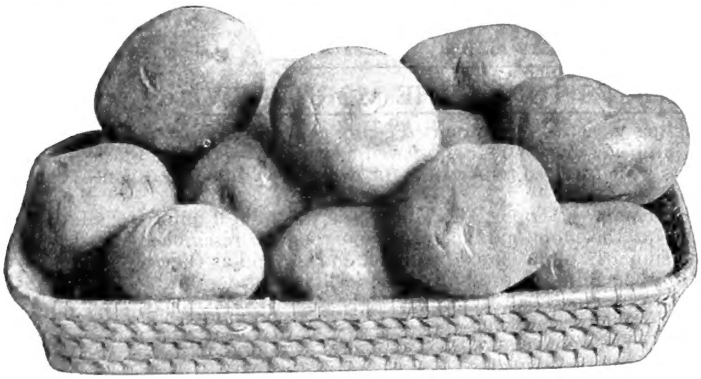
LITTLE MARVEL—Dwarf

The most satisfactory pea in the average home garden. It is dwarf—needs no support; it is early; it is hardy—stands grief far better than most kinds—it is productive; it remains in condition a week longer than other similar sorts; and its luscious, sugary peas are of the finest flavor and best quality. There is no doubt but that Little Marvel will supplant both American Wonder and Nott's Excelsior, as it is more productive and lasts longer. Grows fifteen to eighteen inches high—season the same as American Wonder and Nott's Excelsior—**dark green** pods, well filled. **Price, Pkt., 10c; pt. (about 1 lb.) 20c; qt. (about 2 lbs.) 35c; ½ pk., 90c; peck, $1.75; bu., $7.00.**

LITTLE MARVEL

VAUGHAN'S SWEET MARKET

An excellent main crop Pea. It's season follows right after the Extra Earlies and continues to bear much longer than most varieties. Very prolific and of fine quality. Height 2½ feet, strong vigorous vines, many bearing as high as fifty pods. Pods 3½ inches long, filled with 7 to 9 peas. An ideal variety for hotels and institutions requiring a maximum return of shelled peas of fine quality. **Price, Pkt, 10c; pt, (about 1 lb.) 20c; qt. (about 2 lbs.) 35c; ½ peck, 90c; peck, $1.75; bu., $7.00.**



VAUGHAN'S NEW DEARBORN—A Grand Second Early

POTATO, VAUGHAN'S DEARBORN

The Best Early Since Irish Cobbler

This grand second early, matures only a few days later than Irish Cobbler and yields from fifteen to twenty-five per cent heavier. The potato grower who plants Dearborn harvests late potato crops and sells at the high early market price. The tubers are round, slightly flattened, but a chunky appearance somewhat like Cobbler. The skin is netted—a sure indication of high eating quality, and resistance of scab. The vine is vigorous and healthy. We are positive this sort will become one of the favorite early sorts.

Price, ½ peck, 40c; peck, 70c; ½ bu., $1.00; bu., $1.75; sack, $4.50; bbl., $4.75 10 bu., $16.00.

If shipped from New York, add 20c per bu. or 50c per bbl.

"I succeeded in taking nine prizes out of eleven exhibits last year, principally from your seeds." R. J. FLETCHER, Barrie, Ont.

NEW FORCING RADISH, GIANT BUTTER

A Novelty of Sterling Merit

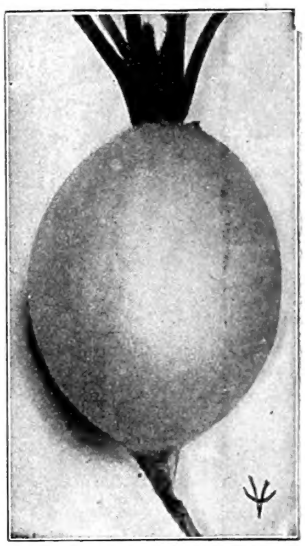
RADISH GIANT BUTTER

This is by far the largest of the early, turnip, forcing radishes, exceeding in size even the Crimson Giant or Wurzburger. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hot bed variety for forcing—the tops are extremely short and the tap root is small. The quality is unexcelled, tender, crisp and does not become hollow or pithy. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

RADISH, VAUGHAN'S OLIVE CRYSTAL

This variety belongs to the Summer Radish class so well known to and liked by the Germans under the name May Radishes. Vaughan's "Olive Crystal" is the sweetest of all summer Radishes. Our illustration shows the type well; note the smoothness and clearness of skin, giving it a great advantage in beauty over such summer sorts as Stuttgart and Strassburg. Outside of its looks Olive Crystal has quality; the flesh is as sweet as a nut, entirely without the sharpness so often found objectionable in varieties of the same class. In shape it is that of an olive and the size of a walnut.

Those who like the Sweet Radish will find in this one that which is really ideal in a fine variety of the quality. This new sort matures early, grows a very small top and has a very small tap root. An added feature is that it may be planted early without running to seed. All of our trials and reports from our customers prove that it is most worthy of a place in the home garden. **Price, pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.15.**



RADISH, OLIVE CRYSTAL

RADISH, SAKURAJIMA

A Japanese radish of immense size; some single specimens of this variety weigh as much as 15 pounds. In shape it is oval with cream colored skin and pure white flesh. The roots are cooked like turnips, but no strong taste accompanies them, such as is frequently present with cooked turnips. The plants should be thinned out to from 12 to 15 inches apart in the rows, so as to admit of full development; must be sown in May; takes whole season to develop roots.

Price, pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.

NEW TOMATO, EARLY DETROIT

The equal, if not the best, of any second Early Purple Tomato yet introduced. Some of the markets, like Chicago, demand a purple colored tomato; Early Detroit fills the bill. It is a variety maturing medium early in season, having the remarkable feature of bearing uniform, large, handsome, smooth fruits through the long season, yielding in the aggregate even more marketable tomatoes than the Standard and popular Beauty, which variety it most closely resembles. The fruits are almost globe shaped, firm, and ship as well as any variety we know.

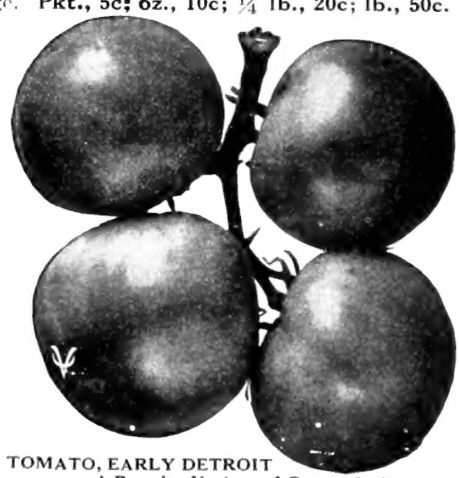
Both the amateur and the market gardener will be interested in this new sort. It ripens early, bears a large crop, yields a long time, its fruits are large and smooth and the quality is excellent. **Price, pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., $3.00.**

NEW SWISS CHARD "COOPER'S MAMMOTH"

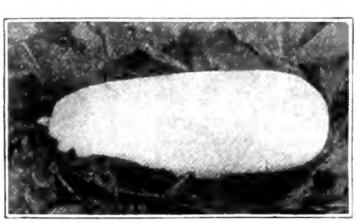
The growing popularity of Swiss Chard is well deserved. There is nothing in the vegetable line which yields equal returns in the home garden. A short row will furnish delicious "greens" all summer. This new mammoth sort is a medium green colored variety of immense size—large chard or midrib of excellent quality, free from the usual "earthy" flavor of the regular chards. **Pkt., 10c; oz., 20c.**

SPINACH VAUGHAN'S GIANT "FILL BASKET"

A German novelty of great merit—specimens are really "giants" in size—20 inches across not being uncommon. The abundant dark glossy green leaves are attractively crumpled and thick in texture. Early as well as large. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**



TOMATO, EARLY DETROIT
A Popular Variety of Great Merit



VEGETABLE MARROW
FIRST OF ALL

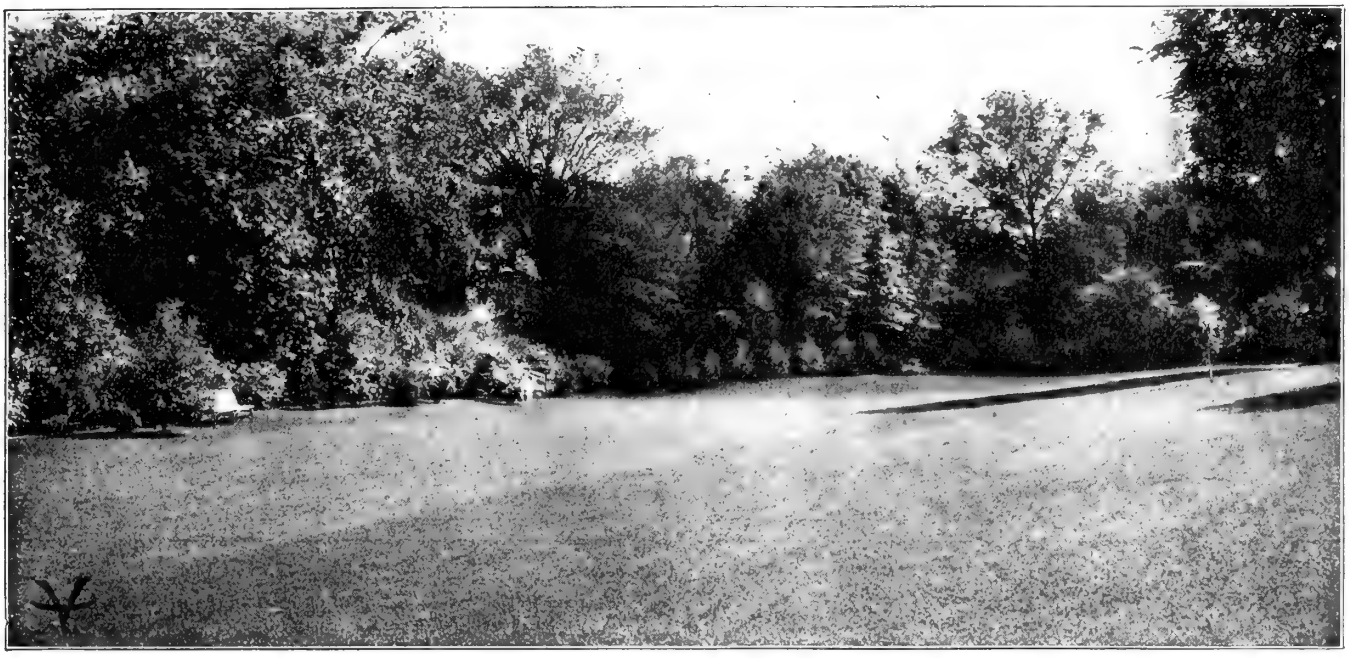
NEW GRAPE OR CLUSTER TOMATO

NAPOLEON

This is by far the best of the so-called "dessert tomatoes" which are eaten whole. Immensely productive, 40 to 60 of the small fruits are found fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is piquant and delicious. **Price, pkt., 15c; 2 for 25c.**

VEGETABLE MARROW, FIRST OF ALL

The earliest of the English Marrow coming in before any other long variety. Quality excellent and very prolific. **Price, pkt., 10c; oz., 25c.**



"Chicago Parks" Lawn Seed

The Best General Purpose Lawn Mixture

In many grocery and department stores are sold dirty mixtures composed of the poorest grasses that never come up after the first year, chaffy seed, with nothing but "cheap prices" to recommend it. The cost of best seed is only a small outlay, why waste money, time and labor on spurious, valueless seeds? Vaughan's Chicago Parks Lawn Mixture produces beautiful and permanent turf. It is as pure, free from weeds and chaff as human skill and scientific machinery can make it. We invite microscopic examination, comparison or analysis.

We do not know of a better proof to offer, of the general excellence, reliability and attractive beauty of Vaughan's "Chicago Parks" Lawn seed than the continual use of it by many of the most noteworthy places in the United States.

Vaughan's "Chicago Parks" Lawn Seed

Price, ½ lb., 20c; 1 lb., 30c; 3 lbs., 80c; 5 lbs., $1.35; 10 lbs., $2.65; 15 lbs., $3.95; 20 lbs., (Bushel) $5.25; 25 lbs., $6.45; 50 lbs., $12.75; 100 lbs., $25.00.

Special Prepaid Grass Seed Offer. On all orders of Lawn Grass Seed amounting to $2.00 and over we prepay transportation within 600 miles of Chicago or New York. See also Prepaid offer on inside front cover page.

Special Quotation.—We shall be pleased to quote special prices to Golf Clubs, Institutions, Parks and others, who require Lawn Grass and Clover Seeds in large quantities.

VAUGHAN'S LAWN FERTILIZER

The essential characteristics of a high class fertilizer are those qualities which will supply the **plant food** necessary to maintain the beautiful color and velvety appearance. Lawn grass is a voracious feeder and must have the elements necessary to its growth. While stable manure contains these elements, its objectionable features, unsightliness, odor and weed seeds combine to make it highly objectionable.

Now, if your lawn is in fair condition, all you need do is rake off the dead leaves and grass in the early spring and scatter broadcast over the surface sufficient **Vaughan's Lawn Fertilizer** with a little **"Chicago Parks" Lawn Seed** over the thin spots, and the work is done.

DIRECTIONS. Make first application in early spring, when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed.

Price, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., $1.00; 50 lbs., $1.75; 100 lbs., $3.00; 200 lbs., $5.50; 500 lbs., $12.00; 1,000 lbs., $22.00; 2,000 lbs., $42.00.

New York prices—50c per 100 lbs.; $7.00 a ton more.

"Columbian" Lawn Seed

For Light Shade or Sandy Soil

Vaughan's Columbian Mixture is a selection of fine grasses which naturally thrive under shade of trees or buildings, or suitable for light sandy soils. This mixture produced lawns of beauty at the Columbian World's Fair, where it was used extensively and gave splendid results on the very light soil in Jackson Park, Chicago.

Price, lb., 30c; 5 lbs., $1.35; 10 lbs., $2.65; 20 lbs., (Bushel) $5.25; 25 lbs., $6.45; 50 lbs., $12.75; 100 lbs., $25.00.

If more White Clover is desired than is usually contained in our Lawn Mixtures it may be sown at the rate of 1 to 1½ lbs. to 15 lbs. of grass seed.

Price, per lb., 50c; 10 lbs., $4.75.

QUANTITIES TO USE

Either "Chicago Parks" or "Columbian" Mixtures

1 lb. for 350 square feet
5 lbs. for 1,750 square feet
10 lbs. for 3,500 square feet
15 lbs. for 4,250 square feet
25 lbs. for one-fourth acre
50 lbs. for one-half acre
100 lbs. for one acre

A 25-foot lot, deducting for usual house space and outbuildings requires about 5 lbs.; a 50-foot lot about 10 lbs.

If intended for renovating an old lawn, about half the above quantities are sufficient for the given spaces.

HOW TO MAKE A LAWN

Have soil thoroughly spaded up, enriched with commercial fertilizer or well rotted manure, level and roll it well to make compact. Select a still, damp day for seeding; sow one-half of the seed from North to South and half from East to West, rake it over and roll again, when grass comes up replant bare spots. When grass is 2 inches high cut it, and as necessary thereafter. Don't rake up short clippings as they make a good mulch. Always thoroughly soak a lawn when sprinkling, when required, but never sprinkle lightly. It often happens that the soil under trees from constant drip and absence of sunshine has become sour and covered with green mossy slime. In this case it should be broken up with a sharp toothed rake and treated with slacked lime at the rate of a bushel to each 1,000 square feet. This must be raked in and will be absorbed in a few days when "Columbian" seed may be sown. Free booklet, "How to Make a Lawn." Send for it.

OTHER SPECIAL MIXTURES

For these see pages 138, 139, 140. These include, **Golf Link (Fair Green), Putting Green, Tennis Lawn, Quick Show, Deep Shade, Lawn Restoring,** etc., also named sorts of grasses.

For general list of Fertilizers see page 149.

"Some years ago I purchased "Chicago Parks" grass seed from you for the first seeding of my place. I was very much pleased with the results and I believe with my experience since then with other varieties of seed that yours is by far the best." W. H. GARRETT, Baker University, Baldwin, Kans

Vaughan's Flower Seed Novelties

SPRING **1915**

EVERYONE wishes to know more of the possibilities which lie dormant in their gardens, and as a means of cultivating this spirit we would suggest each one try at least three varieties with which they are unfamiliar. Invest twenty-five cents to one dollar in experimental work. These need not necessarily be novelties, as many in our general list are of charming beauty and as yet unknown to the public. Among them we recall Agathea, Bidens, Datura, Didiscus, Dimorphotheca, Cardinal Climber and Salpiglossis.

THE FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong:

⊙ **Annuals** These attain full growth from seed, flower and die the first year.

⊙⊙ **Biennials** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early enough.

Greenhouse Plants Start inside and cultivate in pots, or else transplant outside when danger of frost is over.

Stove Plants To be grown inside all the year round for pots only.

§ **Climbing Plants.**

4000 **ALYSSUM Benthami Compactum Lilacum, Lilac Queen** ⊙ Distinct and new variety of the annual Sweet Alyssum with pure lilac flowers. The plants are dwarf and grow upright and the flowers when in full bloom resemble a miniature candytuft. Our trial ground record shows the color in the bossoms became more intense as the season advanced ..... Pkt. .10

4001 **ALYSSUM Benthami Compactum Lutescens** ⊙ Similar in growth and habit to the preceding but differs essentially in the colors of its blossoms which are yellow. We have not, as yet, had an opportunity of growing this in our trial grounds, but we take the originators description knowing this charming little novelty will be excellent for edging and for rock gardens. It is understood the yellow is not as intense a color as the perennial variety ..... .15

4002 **ANTIRRHINUM Majus Nanum, Salmon Queen** ⊙ 12 in. A beautiful salmon rose color in the semi-dwarf strain of Snapdragons. Many new shades in this popular flower have been introduced recently but the shades of pink seem to be more favored, and this one with its peculiar pinkish yellow will be one worth trying. .15

4003 **ANTIRRHINUM Nanum Grandiflorum, Grenadier.** The flowers of this beautiful variety are a vivid orange with white throat, yellow lip; most effective ..... .15

4003a **ANTIRRHINUM Nanum Grandiflorum, Mauve Beauty.** A unique color in Antirrhinums and quite a new break. The color is a lovely shade of pale clear mauve, and will be welcomed as an excellent addition to the Nanum type. The flowers are large, and the habit of the plant all that can be desired ..... .15

4003b **ANTIRRHINUM Nanum Grandiflorum, The Fawn.** A new and distinct color in Antirrhinums. A delightful blend of terra-cotta pink and pale yellow, very soft and pleasing to the eye; flowers exceptionally large. We can **strongly recommend** this variety ..... .15

4004 **BEGONIA, Melanie.** The color of this new fibrous-rooted Begonia is quite unique, being white, beautifully edged with pink. Its large flowers profusely produced during the whole summer, will render it invaluable for beds and borders 25

4004a **CHRYSANTHEMUM, Early Flowering Double** ⊙ Pkt. 1½ ft. The increasing demand for early flowering autumn Chrysanthemums has been met in this double variety, which, although perennial in nature blooms the first year from seed if sown early. The flowers will come about 80% double in the most charming variety of color. The plants are rather dwarf and do best if planted in a rather sheltered position ..... .15

We want our friends to be familiar with both the Single Early Flowering Chrysanthemums, which we offered as a novelty some years ago, and which is now in our general list, and this new Double Early Flowering Chrysanthemum, so we make a special offer of 1 packet of each for ..... .20

See next page for Cosmos.

CAMPANULA, Early Blooming—2½ ft. ⊙⊙ Canterbury Bells furnish us a most wonderful array of color in the daintiest shades of the most delicate form. The airy bell shaped blossoms fairly cover the pyramidal bushes. They are biennials and bloom from seed the second year. This early flowering strain blooms three weeks earlier than the older sorts which prolongs the season of bloom.

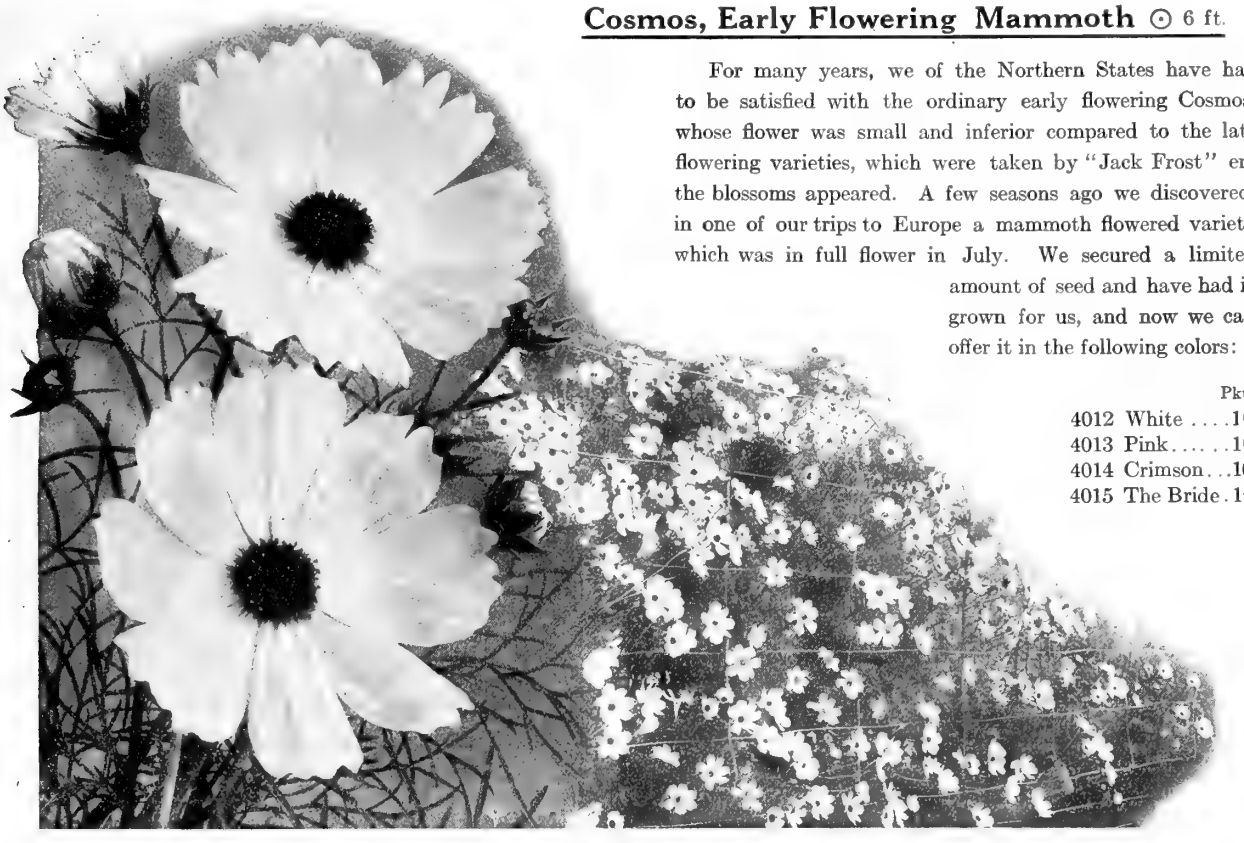
4005 **Early Flowering White** ..... .15

4006 **Early Flowering Blue** ..... .15

4007 **Early Flowering Rose** ..... .15

4008 **CARDINAL, CLIMBER** ⊙ 25 ft. This glorious and absolutely distinct new annual climber is undoubtedly the greatest acquisition to the flower world in years, and the most beautiful and brilliant climber ever grown. It is a strong and rapid grower, attaining a height of twenty-five feet with beautiful fern-like laciniated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. The flowers are about 1½ inches in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May first. Pkt. 25 seeds .15
2 pkts. for 25c; 5 pkts. for 50c.

Cosmos, Early Flowering Mammoth ⊙ 6 ft.



For many years, we of the Northern States have had to be satisfied with the ordinary early flowering Cosmos, whose flower was small and inferior compared to the late flowering varieties, which were taken by "Jack Frost" ere the blossoms appeared. A few seasons ago we discovered, in one of our trips to Europe a mammoth flowered variety which was in full flower in July. We secured a limited amount of seed and have had it grown for us, and now we can offer it in the following colors:

	Pkt.
4012 White	.10
4013 Pink	.10
4014 Crimson	.10
4015 The Bride	.10

COSMOS—Early Flowering Mammoth

4009 **CLARKIA, Apple Blossom** ⊙ 2 ft. This family should be better known. It is a very attractive annual, and is grown very successfully in England in beds or borders and in pots for exhibition purposes. Should be grown in a rather cool place. This variety has very double flowers, produced on long spikes of a dainty apple blossom pink ..... Pkt. .15

4010 **CYCLAMEN Persicum Giganteum, Saint George** ⌓ 1 ft. The Cyclamen or Alpine Violet is one of the most satisfactory house plants, the flowers lasting long on the plants and the plants may be raised by an amateur with a little care and patience. This variety has foliage which is beautifully margined with bright silver not unlike the Begonia Rex, and the flowers are a rich salmon color ..... 10 seeds, 30 cts. 25 seeds, 75

CYCLAMEN Persicum Giganteum, Mrs. L. M. Graves ⌓ 1 ft. This superb novelty marks an advance in color, for it brings us near the much desired true scarlet. The flowers are freely produced and are carried well above the foliage. The color is an intense and brilliant salmon scarlet. A healthy vigorous grower and comes quite true from seed ..... 10 seeds, 50

4016 **COSMOS, Lady Lenox,** White ⊙ 7 ft. During the late Summer and early Fall the Cosmos adds so much to the beauty of our gardens with its graceful feathery foliage and butterfly-like flowers. Some years ago a gigantic early flowering pink variety was introduced under the name of Lady Lenox, since then hybridizers have been endeavoring to create a white companion, which fact has now been accomplished in this charming variety. Flowers measure four to five inches in diameter, which is about three times larger than the ordinary Cosmos. Habit of plant strong and vigorous, bushes growing to a height of seven feet ..... .15

We want all our customers to try both these and to make this possible we make a special offer; 1 packet each, Pink or White for ..... .20

4017 **DELPHINIUM Pauli,** ⌓ 1½ ft. A new perennial found in East Africa and named after the missionary director Prof. Dr. Paul, who discovered it in the Meru mountains. The fascinating feature of this is its intense and sweet fragrance, which is lacking in all other sorts. It forms a bushy plant 1½ ft. high, loosely branched, flowers are double pure white with dark violet-brown stamens and produced on long stiff stems ..... Pkt. .20

4018 **DIANTHUS, Jewel.** A charming new variety of the Double-flowered Fringed Pink, 12 ins. high. Obtained from the well-known and very popular Single Fringed Pink Fairy Queen, this novelty is of the same habit and the same delicate color as the latter, from which it distinguishes itself by its double flowers. The flowers are extremely beautiful, large, fully double, nicely fringed, delicate salmon-rose with white edge ..... .15

4019 **GAZANIA Longiscapa** ⊙ 6 to 8 in. New, and extremely free flowering, magnificent South African annual species of earliest culture. It forms large, round bushes, well covered with long-stemmed flowers 2¼ inches in diameter. The color of the flower is a lovely golden yellow; at the base of the ray florets close to the yellow disc, there is a brown zone with silvery white spots which is surrounded by a blackish brown ring. On the reverse side each petal bears a brown stripe. Foliage dark green, glabrous above, and white wooly beneath. When planted in a sunny spot this plant will bloom incessantly the whole season ..... .15

SMALL ORDERS—WE LIKE THEM

Thousands of seed planters think that a 10 to 50 cent seed order is too small to send. It's not. We are glad to have your order, no matter how small, and the better results in your garden make it worth while for you to send to VAUGHAN'S.

Pkt.

4020 **HELIANTHUS, Red Sunflower** ⊙ 4 to 8 ft. Quick growing garden annuals, growing from four to eight feet high, and sending out many side branches. Some plants produce flowers of a rich chestnut-red color, other flowers tipped with yellow, other flowers slightly washed with red. The flowers vary from a few inches to nearly a foot in diameter, and are of good form, usually having a small disc, and often two rows of long, slightly curled rays. Some of the seeds will produce plants giving all yellow flowers, for though the seed stock was carefully selected and hand fertilized, the plants were grown where wild yellow sunflowers abound, and the bees doubtless carried some pollen from yellows. These plants fortunately show no purple in stem or leaves and can be weeded out when seedlings. 2 packets for 25 cents.....15

4021 **HELIANTHUS, Liliput Baby Sunflower** ⊙ 6 to 8 in. The dwarfest of this most useful annual. The plants measure only 6 to 8 inches in height and are of a somewhat creeping growth, similar to those of Verbenas. The flowers are single bright yellow, with a dark disc, and appear above the small, dark green foliage.....15

4022 **MORNING GLORY, Double Snow Fairy** 8 to 12 ft. ⊙ This dainty annual is a wonderful acquisition to our list of climbers. The plant is very vigorous, frequently attaining a height of twelve or more feet. The flowers appear early and are produced abundantly until frost. The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower and the intervening space filled with petals.....15

4023 **MORNING GLORY, Giant Japanese Mixed.** The Japanese are famous for their flowers, especially the Morning Glories which they have been interested in for many years. We had thought our Japanese varieties had about reached the pinnacle of their beauty when our grower presented this variety with their perfectly enormous flowers of wonderful substance and great range of colors, and we are more than pleased with it and know our customers will be delighted with the results. 10 seeds.....15

MORNING GLORY—Snow Fairy

Pkt.

4024 **MYOSOTIS Grandiflora Nixenauge, Fairy Queen.** A Forget-me-not with large blue flowers and trusses with long stems. The best winter flowering variety....25

4025 **PANSY, Apricot Color** ⊙ 4 to 6 in. A new bedding pansy, which comes true from seed. The color is a pleasing self-colored apricot, very effective for carpet bedding or for groups.....15

GIANT PANSIES, NEW EARLY FLOWERING ⊙ 4 to 6 in. The new strain produces its giant flowers about six weeks earlier than other known types. In the early part of March this year, when the old type Pansies hardly showed any buds the plants of this new strain bore from three to five of their giant flowers.....

4026 **Winter Sun** Golden yellow with dark eye.....25

4027 **Ice King** Silvery white with dark blue eye.....25

4028 **Celestial Queen** Light or sky blue.....25

4029 **March Beauty** Dark velvety blue.....25

4030 **Finest Mixed**.....25

4031 **PANSY, Giant Minerva** ⊙ 6 in. An odd combination and striking in its effect. The ground color of the flower is bright red and each petal is marked with a very large violet blotch.....15

4032 **PANSY, Giant Solfatara** ⊙ 6 in. The Swedish national colors are exhibited by these flowers which are a delicate sulphur yellow ground, with a very large deep blue spot on each petal.....15

NEW EARLY GIANT PANSIES

We put this symbol on strains of seed we control. We monopolize them because of their merit. Select these specia strains when ordering and you will be repaid.

4032 **PETUNIA Large Flowering Double, Concordia** ⊙ This is the name given to a new race of Petunias by its German introducer who has originated a double Petunia which produces seed. Heretofore it was necessary, owing to the pistils of the double being crippled, to fecundate singles with the pollen of doubles, and the percentage of doubles resulting often, was no higher than 20 to 30 per cent. With this strain the doubles expected has risen to fully 60 per cent, and the size, shape, and coloring remain the same. To those who have time and patience this will be an interesting novelty.

We offer it as follows: Pkt.

4033 **Concordia Double Mixed** ..... .25

4034 **Concordia Double Fringed Mixed** ..... .35

4035 **PETUNIA Dwarf Large-Flowering Fringed.** ⊙ **8 in.** The plants grow only 8 inches and the lovely blossoms appear in all the attractive colors common in this plant. No tying up is necessary and the plant will be excellent for laying out flower beds and borders as well as for pots ..... .25

4036 **PETUNIA Inflata** ⊙ A small, but very profuse flowering, well shaped trailing Petunia, producing branches 2 to 3 ft. in length, thickly set with fragrant flowers 1 inch across, of a lovely purplish carmine color with reddish violet throat ..... .15

4037 **PETUNIA Improved Rosy Morn.** ⊙ The plants of this fine annual are bushy and compact, the medium size flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds.

When this Petunia was first introduced it was hailed with delight by every lover of this attractive annual. Of late years, however, the stock had somewhat "run out," the plants were not as dwarf and compact as when first introduced, nor did the flowers show that beautiful bright pink, which was its chief attraction.

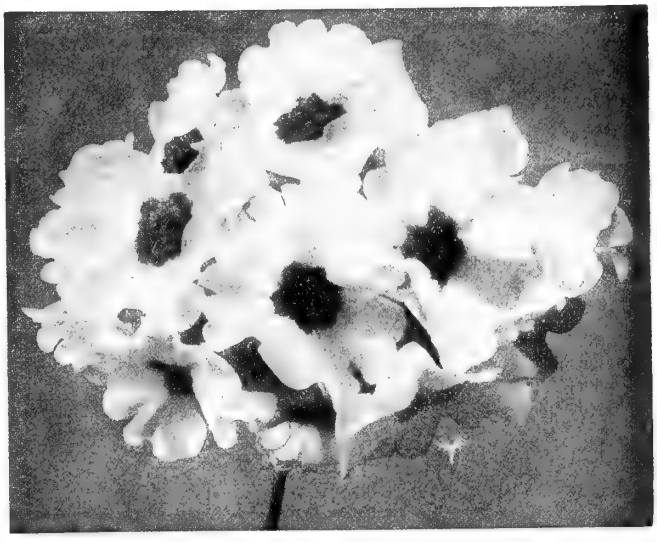
The seed we offer now is raised by the original introducer carefully rogued and selected and will bring this variety back into the favor which it so justly enjoyed 3 packets for 50c ..... .20

4038 **PETUNIA Norma.** ⊙ In habit and freedom like Rosy Morn, but the flowers which are of medium size and produced in great profusion are of a pleasing violet blue with a clear white star in the center. Also suitable for porch boxes, etc. 3 packets for 50c ..... .20

4039 **PETUNIA Giant Flowered Dwarf.** ⊙ The flowers of this beautiful new type are of immense size, up to 6 inches across, of great substance, with deeply veined throats and in a rich variety of colors. The plants grow much more compact than other Large Flowering Petunias which makes them especially useful for winter boxes, and pots, as well as beds and borders. 3 packets for 65c .... .25

4040 **POPPY Virginia.** ⊙ The flowers of this beautiful new, single, Annual Poppy are pure white, while the daintily fringed edges are of a delicate pink. A very attractive and pleasing sort. 3 packets for 25c ..... .10

4041 **PRIMULA Obconica Grandiflora Magnifica.** This is a cross between Primula Obconica Grand. Crispa and and other large flowering varieties. The flowers are large size, measuring 1½ to 1¾ inches in diameter and of beautiful form with waved edges similar to a Spencer Sweet Pea. The colors range through White, White with Pink hue, and Apple blossom. The plants grow compact, the flower spikes are borne well above the fresh green foliage, and the clusters of the flowers are dense and beautifully ball shaped. Especially desirable for pot culture. 5 packets for $1.00. Packet (about 150 seeds). .25



PRIMULA—Obconica Grandiflora Magnifica

Pkt.

4042 **PRIMULA Obconica Salmonea (Salmon Pink)** This color has not yet existed among the Primula Obconica. It is a cross between Apple Blossom and Fire Queen. The plants are very free blooming, the clusters are of good form, and flowers of medium size. The color is a beautiful salmon pink, much more pleasing than that of the Grandiflora Rosea, although the size of the flowers and the flower heads is not as large as that of the latter. About 60 per cent of the seed will produce salmon-colored flowers. Per packet, of about 150 seeds. .25

4043 **SALPIGLOSSIS Gloxiniaeflora Mixed** ⊙ 2½ ft. A special selection of the Painted Tube Tongue made by a French hybridizer. The flowers are large and fancifully veined in contrasting colors. It is an annual which should be better known as it is particularly good in beds and furnishes long stemmed cut flower material ..... .15

4044 **STATICE Sinuata. Pride of Chamois** ⊙ 2 ft. This is a delicate and charming color. Blooms uninterruptedly from July until frost ..... .10

4045 **STATICE Sinuata Rosea** ⊙ 2 ft. Furnishes an abundant supply of cut flowers of a beautiful rose color. These may be used for everlasting bouquets ..... .10

4046 **SCHIZANTHUS Wisetonensis Excelsior** ⊙ 1½ ft. The flowers resemble the Fancy Pelargoniums in their original markings and dainty coloring. They make an excellent pot plant and the seed germinates readily and the plants grow quickly. Seed sown in the house in early spring flower by mid-summer, and sown in the house in the fall bloom at Easter ..... .25

Money In Growing Cut Flowers

VAUGHAN'S Gladiolus Bulbs

Cut flowers are always in demand everywhere. Flowers from Bulbs grow easiest. Plant Gladiolus—the beautiful spikes of bloom sell readily at from 25 to 50 cents per dozen all summer. We are offering here a fine collection of these Bulbs in the best red, pink and vegetated shades, at lower prepaid prices than ever before.

GLADIOLUS BULBS—KENWOOD MIXTURE

25 bulbs prepaid	$0 20	300 bulbs prepaid	$2 00
60 bulbs prepaid	50	500 bulbs prepaid	3 75
125 bulbs prepaid	1 00	1000 bulbs prepaid	7 50

Plant at 10-day intervals for succession of blooms from July to October.

Always mention "Kenwood Mixture" when ordering from this special offer.

Sweet

VAUGHAN'S SPENCER OR

The most beautiful blossom in shape, size, color and fragrance, plants. Its flowers dance and sparkle in the sunlight the whole armfulls of flowers yet it smiles and pursues its beneficent way. radiant life in the hands of those who love them.

		Oz.	Pkt.
3900	**Afterglow.** Bright violet standards shaded rosy amethyst, wings paler blue, waved, requires shading	..	$0 15
3901	**America.** White ground, heavily striped and flaked with bright crimson scarlet. A large bold flower of splendid form	$0 30	10
3902	**Apple Blossom.** Standard very bright rose, wings primrose with a flush of rose tint	30	10
3903	**Asta Ohn.** A soft pinkish lavender self. Flowers very large and beautifully waved. A very charming variety	35	10
3904	**Aurora.** Flowers white, mottled and flaked with bright orange pink	30	10
3905	**Blanche Ferry.** A giant type of Spencer form, with rose standard and wings white, suffused and tinted with light pink	35	10
3906	**Captain of the Blues.** Pure purple, the margin of the petals is marbled. Very large and distinct	50	10
3907	**Clara Curtis.** A beautifully waved cream of good substance, usually has four blossoms on a stem	25	10
3908	**Countess Spencer.** The original giant flowered Spencer, with finest waved standard and wings, clear pink deepening somewhat towards the edge, but almost self-colored ¼ lb. 75c	30	10
3909	**Dainty.** White ground, with beautiful picotee edge of rose pink, splendid form	35	10
3910	**Dobbie's Cream.** Deep cream or primrose colored, nicely waved, with an abundance of four-bloom sprays	..	25
3911	**Edrom Beauty.** Salmon orange	50	10
3912	**Elfrida Pearson.** Large pale pink flower, the buds and young flowers having a distinct tint of buff	50	10
3913	**Ethel Roosevelt.** Cream ground, daintily striped with soft crimson	30	10
3914	**Evelyn Hemus.** Cream, with a picotee edging of terra-cotta pink	50	10
3915	**Flora Norton.** Light blue	50	10
3916	**Florence Morse.** Standard richly flushed with a beautiful distinct shade of pink; wings soft blush pink	30	10
3917	**Florence Nightingale.** A very large, finely waved bluish lavender	30	10
3918	**George Herbert.** Rose crimson, suffused with magenta and showing veins in wings	30	10
3919	**Helen Lewis.** Blooms large, orange salmon with pink, especially bright orange standard.	30	10
3920	**Hercules.** A pale rosy pink flower of giant size	..	25
3921	**King Edward VII.** The best pure red Spencer, very large, with especially immense wings	30	10

Sweet Pea Culture Condensed.

Trench deeply; manure liberally; plant thinly; stake quickly; water freely; dispod promptly. GEORGE STANTON.

10 Best Spencer Sweet Peas

Our collection of 10 best Spencer Sweet Peas is so well and favorably known as to not need an introduction to our friends. It is sufficient to say the same care has been taken in making this selection as in former years, and we are confident they will more than please the purchaser.

One (regular size) packet of each **10 for 50 cents,** postpaid. If bought separately would cost $1.05.

We cannot make any change in varieties.

White. King White.
Bicolor. Mrs. Cuthbertson.
Blue. Margaret Madison.
Crimson. King Edward VII.
Pale Pink. Elfrida Pearson.
Deep Pink. Countess Spencer.
Rose. Marie Corelli.
Maroon. Othello.
Lavender. Florence Nightingale.
Orange Pink. Edrom Beauty

Peas

BUTTERFLY VARIETIES

produced so abundantly and long on lightsome, free hearted, happy summer through, ever changing yet ever beautiful. You can cut It is easy to grow Sweet Peas, because they fairly spring into

		Oz.	Pkt.
3922	**King White.** Produces gigantic flowers of an absolutely pure white, and is so distinct in growth and has so much more vigor than any other White Spencer that the variety may be told simply by the vine itself. Compared with White Spencer the entire vine seems to be twice as vigorous; the flower is of a purer white, of better substance and more finely placed on the thick, long stems. The standard is of finest form, decidedly frilled and waved, and terminates beautifully at the throat. Wings large, waved and gracefully cover the keel. The keel is of pure white, is very large and strange to say, adds much to the beauty of the bloom, especially when the flowers are so bunched as to show this handsome well-formed keel.....Pkt. 15		
3923	**Lady Knox.** Deep cream, beautifully edged with pink on the standard.....	..	15
3924	**Marchioness of Tweeddale.** White ground heavily margined with rose which flushes into the center of the standard and wings.....	50	10
3925	**Margaret Atlee.** Rosy, salmon pink on a creamy buff ground. Immense wavy standard, inclined to double. Large wavy wings..	..	25
3926	**Margaret Madison.** A beautiful self colored azure blue. A lovely shade.....	50	10
3927	**Marie Corelli.** A bright glowing crimson, almost a self color.....	35	10
3928	**Maud Holmes.** Rich crimson Spencer, fine large flower and quite sunproof.....	30	10
3929	**Mrs. A. Ireland.** Standard bright rose-pink, with creamy base, wings blush.....	30	10
3930	**Mrs. Cuthbertson.** Standard rose-pink, wings nearly white.....	50	10
3931	**Mrs. Hugh Dickson.** A light salmon pink on cream ground, strong grower, throws four flowers to a stem.....	30	10
3932	**Mrs. Routzahn.** Buff or apricot ground flushed and suffused with delicate pink.....	35	10
3933	**Mrs. Townsend.** White suffused and edged with blue.....	35	10
3934	**Nettie Jenkins.** Pale lavender mauve.....	50	10
3935	**Nubian.** Fine chocolate color.....	50	10
3936	**Othello.** Of immense size, with large drooping wings, rich maroon. One of the best dark sweet peas.....	30	10
3937	**Primrose.** Deep primrose or creamy yellow of largest size.....	30	10
3938	**Rainbow.** Soft rose color in fine hair lines on ivory white.....	50	10
3940	**Rosabelle.** A very fine large rose-colored flower, giant size and a strong grower producing abundance of sprays of fours.....	..	25
3941	**Senator.** Claret and chocolate stripe on French gray ground, large and most distinct	30	10
3942	**Stirling Stent.** A deep salmon colored flower; less influenced by weather than any other variety of its class.....	50	10
3943	**Tennant.** Purplish mauve, a large, fine flower, and a good grower.....	35	10
3944	**Thomas Stevenson.** Bright orange scarlet, almost a self.....	50	10

A leaflet "How to Grow Sweet Peas" furnished with each order of Sweet Peas if asked for at the time of ordering. All light blue and orange varieties should be provided with shade for the better development of color.

		Oz.	Pkt.
3945	**Vermilion Brilliant.** A brilliant scarlet Spencer of splendid form. The standard is very bold and beautifully waved.....	..	25
3946	**Wedgewood.** A lovely self blue.....	..	25
3947	**White.** Flowers very large and of magnificent Spencer waved form. Stems as a rule carry four blossoms.....	30	10
3950	**Vaughan's Special Mixture of Spencer Varieties.** In offering this mixture we are giving our customers the cream of this class in all possible color variations, and we are confident many happy surprises will result, as we have included in this not only the above sorts but many others which are new and striking in this class..¼ lb. $1.00	35	10

5 Best Spencer Sweet Peas

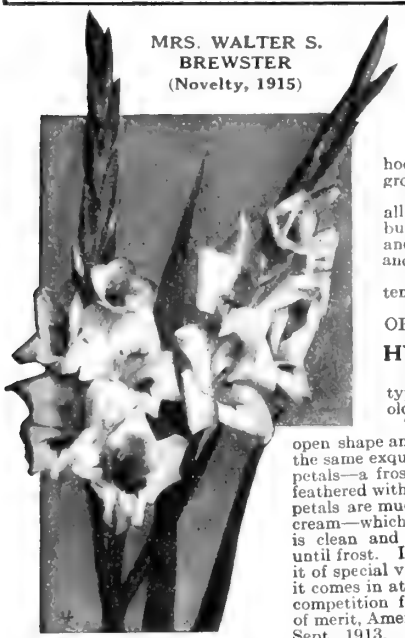
Our 10 Best Sweet Pea Collections have been so popular, we believe a collection of 5 Best Sweet Peas would be welcomed by those having a small garden; so we take pleasure in offering the following 5 Best Sweet Peas. (1 regular size packet of each) **for 25 cents.**

White. King White.
Lavender. Florence Nightingale.
Deep Pink. Countess Spencer.
Crimson. King Edward VII.
Maroon. Othello.

Sweet Peas for Fall Planting

Sowing in late November or early December in the open ground secures flowers earlier in the season than from seeds sown in spring, and the root growth is stronger, so it carries a plant through a dry season better, and seasons of blooming are prolonged.

VAUGHAN'S GLADIOLUS SPECIALTIES



MRS. WALTER S. BREWSTER
(Novelty, 1915)

Home Grown, Sure to Flower

GLADIOLI

Plant Gladiolus Bulbs— They Bloom for Everybody

As growers of these bulbs we have succeeded by painstaking selections and special fertilizers in producing sound, healthy, plump roots, many kinds in extra large sizes. As we grade them, all of the four largest grades, A, B, C and D are sure bloomers.

Gladiolus are the most attractive and useful for cut flowers of all Summer-flowering bulbs. Use any good soil, hoe and loosen it to keep down the weeds, and with ordinary rainfalls they will flower by July because their sturdy growth is assured from the stored-up strength in the bulbs.

Having the greatest faith in the popular use of these flowers by everyone we are increasing our plantings by adding all the new hybrids, both of the named varieties and the high-grade mixtures as will be seen on these pages. Lovers of bulbous flowers do well to consider the size of our cultivations with the high quality of our stock, both in size of bulbs and wide range of brilliant colors. We now have six farms, gardens and store-houses in the East and West for producing and storing our supply.

A succesion of bloom may be had from July to October by making plantings in April, May and early June, ten days apart.

The wide extent of country which our stores in Chicago and New York control for PREPAID PARCELS POST OFFERS, brings these wonderful flowers to you at first cost.

HYDE PARK—Novelty 1914

A new hybrid of the Gandavensis type, a cross between May and the old favorite Shakespeare.

The flowers have the same fine open shape and large size as Shakespeare, with the same exquisite coloring in the three upper petals—a frosty, sparkling white, penciled and feathered with light and dark rose, but the lower petals are much more distinctly blotched with cream—which is an added charm. The foliage is clean and healthy, remaining deep green until frost. It is a very early bloomer, making it of special value in the cut-flower market, as it comes in at a time when there is very little competition from other varieties. Certificate of merit, American Institute of New York City, Sept., 1913. **Each 15c; per doz. $1.50; per 100, $10.00.**

PRIMULINUS "SUNBEAM"—Novelty

One of the first varieties of Primulinus blood in America to receive a name. This variety, which we introduced in 1914 for the first time, is a cross of select yellows from the Primulinus Mixture, with the variety Sulphur King. Its strong growth and clear yellow color mark it for a leader in this class. The graceful form of all of the Primulinus class insures their popularity in our best American gardens as soon as they become known. It has a clear yellow color and is a strong grower. **Each 40c; doz. $4.00.**

PRIMULINUS MAJOR HYBRIDUS

One of our foreign growers by crossing the Gladiolus Primulinus and certain varieties of well known types of the Gandavensis, Lemoinei and Nanceanus, has succeeded in obtaining these Hybrids which we offer to our customers for the first time. The range of colors is very remarkable from the purest and lightest of yellows down to the deepest orange and from the softest shade of salmon pink down to a rich crimson. On account of their slender and graceful habit, delicate colors and peculiar shape of the flowers we believe these new Hybrids will be appreciated for in-door decorations. **Each 15c; doz. $1.50; per 100, $12.00.**

IRIS

Nanceanus Hybrid, large flowers, bluish lilac, lightly flamed with red, small spot speckled with red on white background, unique coloring. This is without a doubt the finest and largest light blue Gladiolus in existence. Certificate of merit at Paris in 1909. **Each $1.00; doz. $10.00.**

EPICURE

Fine plant of dwarf habit. Enormous, well opened flowers, white slightly streaked lilac. On the lower petals a dark lilac blotch. Very fresh color. **Each 35c; doz. $3.50.**

SCHWABEN

A variety of extreme vigor, many of the bulbs producing two or three flowering stalks which very often produce side branches besides. The stalk produces about 20 very large flowers, 6 to 8 usually open at one time. The color is the best of clear Canary yellow, shading to a soft sulphury yellow when opening. The center of the flower is a deep golden yellow with brownish carmine blotches. The foliage is very distinct, being broad, strong and of a rich green color.

Certificate of merit in Paris, 1910, **Each $1.00; doz. $10.00.**

RUFFLED "GLORY." New, with "Ruffled" Petals

The broadly expanded, wide open, paired flowers, all face in the same direction and are carried on straight, stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled.

The color is a delicate pink, with a most attractive crimson stripe in the center of each lower petal. The ruffling of the petals in this new strain has attracted much attention the country over. **Each10c; doz. 75c; per 100, $6.00.**

CHAS. L. HUTCHINSON

A valuable addition to the Princeps class, in height and size of flowers equal to the original. The color of the flowers is a rich blood red, the middle rib of each petal being a shade deeper and the color is intensified by the warm, velvety lustre. The foliage is of a greyish-green, contrasting wonderfully with the deep color of the flowers. Free flowering and lasting. **Each 50c; doz. $5.00.**

TRIOMPHE DE PARIS

Large flowers creamy white slightly striped with lilac. Small carmine blotch shaded gold yellow. Very fine variety having a profusion of flowers all around the spike forming a bouquet. **Each 50c; per doz. $5.00.**

MRS. FRANK PENDLETON

One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the center. The blooms are wide open and are arranged individually on the very slender but wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. **Each 25c; doz. $2.50.**

MRS. WALTER S. BREWSTER

A new Nanceanus seedling, and one of the best of this fine type. The color is white, overlaid blush, blotched brilliant red with a creamy halo; the whole forming a most pleasing blend entirely distinct and unique. The flowers are large, produced in a double row with six open at a time all facing one way in a shapely compact spike. It is an early flower, 4 feet high and keeps well. **Each $1.00, per doz. $10.00.**

MERCEDES

Very large flowers carmine rose at the edge of sepals, the centre being of a very pale rosy-white. A fine crimson-red blotch, edged yellow. **Each 35c; doz. $3.50.**

SPHINX

Very tall plant; long spike of pure lilac red flowers, with a small purplish red blotch and a white band on the lower petals. **Each 35c; doz. $3.50.**

NIAGARA

In type the variety resembles "America," but the flowers appear to be somewhat larger, measuring 4½ inches across. In color the flowers are a delightful cream shade with the two lower petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of the outside petals are also blushed with carmine. Destined to lead in the cream colored varieties. **Each 10c; doz. $1.00; per 100, $7.00.**

HYDE PARK

PANAMA

A new seedling of "America" which resembles the parent variety in every way except that it is a much deeper pink. A grand variety which evokes words of praise wherever exhibited. Awarded First-class Certificate by Newport Hort. Society, September 16th, 1911. Spike very long with flowers large and well arranged. **Each 20c; doz. $2.00; per 100, $15.00.**

MYRTLE

Tender and delicate rose pink. "The most beautiful pink yet produced in a gladiolus." Brings the highest price of any variety in the Chicago market. Awarded Silver Medal by the Mass. Horticultural Society, Boston, etc. **Each 35c; doz. $3.50.**

WHITE GLORY (Ruffled)

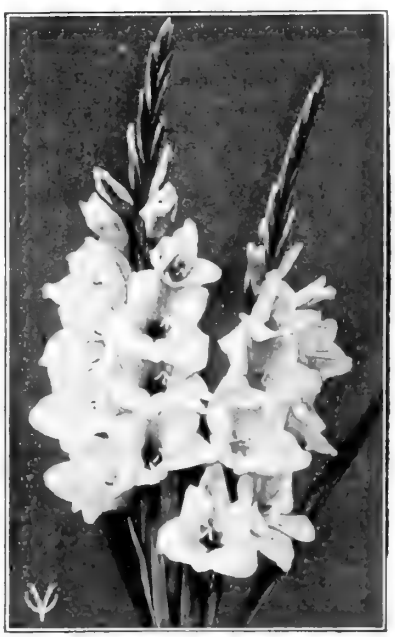
As tall and vigorous as Kunderdi Glory, with darker foliage. The ground color is a clear solid white and the lower petals have a distinct Iris Blue marking of same form where Kunderdi Glory is marked with red. The general appearance is very Iris like. An extraordinary striking variety. Very tall, vigorous and showy Grand. **Each 75c; 3 for $2.50; per doz. $8.00.**

VAUGHAN'S SPECIAL BLUE MIXED

This mixture contains blue, slate, lavender and purple shades of choice varieties. **Each 10c; 3 for 25c; doz. 75c postpaid; per 100, $6.00, prepaid.**

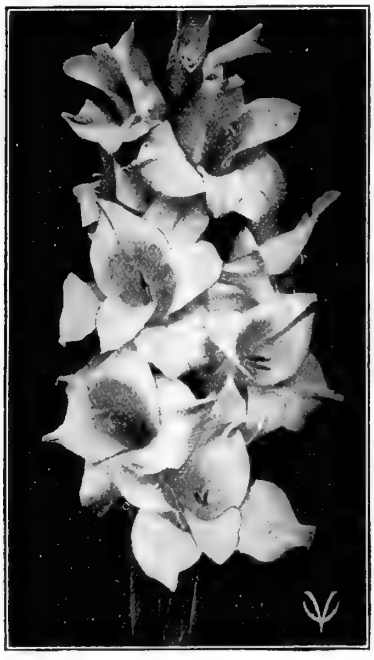
ILLINOIS STATE FAIR COLLECTION

This is an entirely new collection offered for the first time this year. It represents the varieties of Gladiolus that we had on exhibition at the State Fair in addition to other varieties of merit. They are all large flowering and a good range of colors, which we are sure will please. **12 bulbs postpaid, $1.00; 25 bulbs by express, $1.75; 50 bulbs by express, $3.25.**



SCHWABEN

GLADIOLUS—Continued



NIAGARA

PRIMULINUS "SUNBEAM"—Novelty

WHITE GLORY

MRS. FRANCIS KING

The Leading Decorative Gladiolus for the Trade

This has become the most popular and effective variety for window, store and hotel decorations. The long, strong flower stalks with foliage, its effective flower spike with a good line of reserve buds continually opening, with flower 4½ inches across, five to six flowers well spread out on the spike at the same time, its brilliant vermilion scarlet color gives for vases, in hotel lobbies and dining rooms, parlor decorations, etc., an effect not produced by any other Gladiolus.

Large Bulbs, each 5c, doz. 35c, postpaid; per 100, $2.00; per 1000, $18.00
Medium Size, 4 for 10c; doz., 25c, postpaid; per 100, $1.50; per 1000, $12.00

VAUGHAN'S PRINCEPS

Princeps has more than verified the claims made by us. Its wonderful size of flower, perfect shape, brilliant coloring and artistic form of flower spike are each so notably an improvement over all other varieties, that all combined place it in the front rank. The flowers are 5 to 6 inches broad, the petals are very wide and rounded, well reflexed, forming an almost circular flower. The color is brilliant scarlet-crimson, carrying mostly three white blotches on the lower petals.

Large Bulbs, each, 10c; doz., 75c, postpaid; per 100, $5.00.

	Each	Doz.	100
ANNIE WIGMAN. Pale yellow, dark blotch	$0.10	$0.75	$ 5.00
ALINE. Pure white, slightly striped crimson	.20	2.00	15.00
AMERIQUE. Compact, well shaped spike with large, well expanded flowers, cinnaber-red, striped red-brown	.15	1.50	10.00
ARISTOPHANES. Pure salmony-rose, white band in the center of each petal and straw-colored blotch	.20	2.00	15.00
ASTARTE. Pale rosy lilac, streaked with rose	.10	1.00	7.00
ATTRACTION. Deep rich crimson, with large white center and throat	.10	1.00	6.00
ADMIRAL CERVERA. Slaty-rose, striped and edged violet, creamy-white blotch	.15	1.50	10.00
AUGUSTA. Pure white, blue anthers	.05	.35	2.00
BADENIA. A true lavender in color, not too blue; its flowers are large, well expanded, and many open upon the stem at one time	1.50	15.00	.....
BARON J. HULOT. Dark velvety purple	.10	.75	5.00
BLANCHE. Pure white, with very faint markings	.25	2.50	20.00
BRENCHLEYENSIS. Intense fiery scarlet	.03	.30	2.00
BRILLIANT. Orange red, carmine and white throat	.10	1.00	6.00
CANICULE. Clear scarlet red, creamy-white blotch on lower petals	.25	2.50	20.00
CARNATION. Fleshy-white tinged at the edges with carmine	.10	1.00	6.00
CANARY BIRD. Clear canary yellow	.12	1.25	8.00
CARDINAL. Clear intense scarlet	.20	2.00	15.00
CHICAGO WHITE. Pure white, lavender marking in throat	.10	.75	5.00
CHRYSOLORA. Golden-yellow	.10	1.00	6.00
COLUMBIA. Orange-scarlet, blotched and penciled with bluish purple	.10	1.00	6.00
CONTRAST. Large scarlet with white center	.50	5.00	40.00
DAWN. Beautiful shell pink	.25	2.50	20.00
DEUIL DE ST. PIERRE. Ashy-rose, striped and suffused with violet purplish-red blotch	.20	2.00	15.00

AMERICA

This beautiful variety, with its soft, lavender-pink color, its full symmetrical spike, with its rounded double row of many flowers in bloom at one time, has been accepted with great enthusiasm by the cut-flower growers; they found the blooms not only very popular with the public as cut flowers, but that the bulbs could be planted in greenhouses in winter and thus bloom very early.

Large Bulbs, each, 5c; doz., 35c, postpaid; per 100, $2.00; per 1000, $18.00.
Medium Size, 4 for 10c; doz., 25c, postpaid; per 100, $1.50; per 1000, $12.00.

THE MARGARET

This beautiful seedling, produced many years ago, has now so increased in number that we are now able to offer it. It is a vigorous grower, 5 to 6 feet, with a broad foliage resembling Iris. The spike is straight and strong, never twisted or deformed. The flowers are large, beautifully arched and 6 to 8 are open at one time. They are arranged in two rows, facing the same way, and set without crowding. A brilliant carmine, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. A good cut flower; if cut when the first flowers open, is usable for ten days.

Each, 20c; doz., $2.00; per 100, $15.00.

	Each	Doz.	100
ELAINE. Bright cherry-red, slightly striped with creamy-white on lower petals	$0.20	$2.00	$15.00
ELIZABETH KURZ. Pure white with faint marking	.20	2.00	15.00
EMMA THURSBY. White, striped and blotched	.10	1.00	6.00
EUGENE SCRIBE. Tender rose, blazed carmine red	.10	.75	5.00
EUROPE. Pure white	.75	8.00	.....
FERNANDO CORTEZ. Pale yellow, violet-red striped	.20	2.00	15.00
FLORENCE. Bright lilac, white blotch on two lower petals	.20	2.00	15.00
FRED WIGMAN. Red, yellow throat	.10	.75	5.00
GLORY OF HOLLAND. Pure white	.20	2.00	15.00
GOLDEN KING. Rich golden yellow	.20	2.00	15.00
GOV. HANLEY. Tall, showy, early; rich cardinal red	.15	1.50	.....
GRAND CONDE. Salmony-rose striped with violet-red, white blotches	.12	1.25	8.00
HENRY GILMAN. Deep salmon-scarlet with pure white bands	.10	1.00	7.00
I. S. HENDRICKSON. Beautiful and irregular mottling of white and bright pink	.10	1.00	7.00
IRENE. Pink, flaked with crimson	.12	1.25	8.00
ISAAC BUCHANAN. Very fine yellow	.10	1.00	7.00
JEAN BART. Bright crimson-red, ivory white blotch	.12	1.25	8.00
JESSIE. Rich velvety red	.10	.75	5.00
KATE. Blush white, crimson blotch on throat	.10	.75	5.00
KLONDYKE. Light yellow, with crimson	.10	.75	5.00
LA COMETE. Violet-lilac, with stripes of a paler shade, white blotch	.20	2.00	15.00
LA LORRAINE. Bright salmony-red, blotch dark purplish red	.20	2.00	15.00
LILEY. Very large flowers, mottled with creamy white and extremely bright soft rose	.12	1.25	8.00
LUTIN. Cherry red with deep crimson blotch	.12	1.25	8.00

GLADIOLUS—Continued

THE MARGARET

CHICAGO WHITE

ROSY SPRAY

KUNDERD'S "RUFFLED GLORY"

	Each	Doz.	100
MADAME BRUNELET. Rosy lilac and carmine	$0.25	$2.50	$20.00
MADAME MONNERET. Delicate rose	.06	.60	4.00
MADAME P. PALMER. Rose suffused with carmine, blotch cream colored, edged cherry-red	.25	2.50	20.00
MADAME DESBORDES-VALMORE. Salmony-white, large scarlet blotches, edged yellow	.10	1.00	7.00
MARECHAL FABERT. Large flower, satiny-rose marbled carmine-red; the lower petals pencilled raspberry-red on a straw-colored ground. Early flowering variety	.25	2.50	20.00
MARIE THERESE. White with a few rosy stripes	.25	2.50	20.00
MAY. Pure white flaked rosy crimson	.06	.60	4.00
MELROSE. White flaked pink, bright-crimson center	.25	2.50	20.00
MEPHISTO. Coppery scarlet	.15	1.50	12.00
MRS. BEECHER. Deep rosy crimson, throat pure white	.12	1.25	8.00
MOHONK. Dark pink spotted throat	.10	1.00	7.00
MORNING STAR. White with a large rich velvety crimson throat	.12	1.35	10.00
MADRILENE. Bright salmony rose with velvety carmine blotch	.10	1.00	6.00
NEZINSCOTT. Bright blood scarlet with deep velvety crimson-black blotch and white mottlings	.10	1.00	7.00
PHLEGETON. Dazzling scarlet-red, violet-red blotch on lower petals	.25	2.50	20.00
PAULHAM. Dark violet, with a paler shade in center; on lower petal a fine cherry-red blotch edged white	.10	1.00	7.00
PEACE. A grand white flower, very large, with pale violet feathering on lower petals; flowers correctly placed on at all graceful spike. Should be planted early, as it is a rather late bloomer	.15	1.50	12.00
PRECUSEUR. Bright rosy-lilac, with carmine-red blotch on a white ground	.10	1.00	6.00
RED AMARILLAS. Brilliant blood red flower of giant size on medium height plant. Blooms formed like an Amaryllis. A most gorgeous and showy red	.35	3.50	.....
REINE d'ANJOU. Pure white with purple throat	.15	1.50	10.00
ROSY SPRAY. White beautiful sprayed rose	.10	.75	5.00
SALEM. Salmon-pink, maroon blotches	.10	.75	5.00
SCRIBE. Tender rose, tinted white, striped carmine	.10	1.00	6.00
SHAKESPEARE. Blush white, with large rosy blotch	.10	.75	5.00
SOPHOCLES. Fine fiery red, blotch of a velvety garnet-red with white stripes	.35	4.00	30.00
SULPHUR KING. Clear sulphur yellow	.15	1.50	12.00
SUNLIGHT. Light crimson with large canary throat	.10	.75	5.00
SUPERB. Pink, flaked and striped with salmon pink	.10	1.00	7.00
THERMIDOR. Salmon-red profusely flushed and edged with slaty-grey	.10	1.00	6.00
TRITON. Salmon-red, lighted up with white throat	.30	3.50	25.00
VAN DAEL. Flowers of a delicate salmony-rose at the center, streaked with blood-red at the top of petals	.10	1.00	7.00
VELVET KING. Dark scarlet, similar to Brenchleyensis	.10	.75	5.00
WAR. Deep blood-red, shaded crimson-black	1.00	10.00	.....
WILLY WIGMAN. Creamy white, scarlet blotch	.12	1.30	10.00
WILD ROSE. Delicate rose	.12	1.30	10.00

SPECIAL OFFER No. 600B. Two each of the following six varieties sent by mail, postpaid, for **75c: Mrs. Francis King, Morning Star, Chicago White, Canary Bird, Baron J. Hulot, Shakespeare.**

SPECIAL OFFER No. 500B. Two each of the following six varieties sent by mail, postpaid, **50c: Augusta, Brenchleyensis, America, Klondyke, Ruffled Glory, Kate.**

GLADIOLUS IN COLORS

	Doz.	100	1000
Blue Shades	$0.75	$5.00	$45.00
Lilac and Violet	.75	4.50	40.00
Pink	.40	2.50	20.00
Pink and White	.50	3.50	30.00
Scarlet and Red	.30	2.00	15.00
Scarlet with White Throat	.50	3.00	25.00
Striped Shades	.50	3.00	25.00
White and Light Shades, Extra	.60	3.50	30.00
Giant White Mixed	.75	4.50	40.00
Yellow Shades	.60	4.00	35.00

GLADIOLUS IN MIXTURES

It is a well-known fact that some varieties of Gladiolus multiply much more rapidly than others, and as a result Gladiolus grown in mixture, unless very carefully watched, will deteriorate very rapidly. Recognizing this fact, we make all of our mixtures of these bulbs ourselves, using named varieties and mixtures of proven merit. By this method we promise customers satisfaction in mixtures.

Try Vaughan's "Kenwood Mixture," page 11. Great Value.

VAUGHAN'S RAINBOW MIXTURE

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page, including Childsii kinds with several other choice varieties of which we do not have sufficiently large quantities to offer in our catalogues. This is the best mixture we can make up and we believe unexcelled by that offered by any American firm. **Price, doz., 60c, postpaid; by exp., 50 for $2.25; 100 for $4.00; 250 for $8.00; per 1000, $30.00.**

GIANT "CHILDSII FINE"

This mixture contains a very complete range of all the splendid Childsii varieties. Included in this are many Childsii seedlings not yet named. **Price, doz., 50c, postpaid; by express, 50 for $1.75; 100 for $3.50; per 1000, $30.00.**

EXTRA FINE MIXED

This splendid mixture is grown for us by Gladiolus specialists each year, and besides the mixture as originally grown many choice new kinds, including some Childsii, are added to the stock before sending it out to our customers. This insures a wide range of colors, shades and types.

Price, doz., 50c, postpaid; by exp., 50 for $1.65; 100 for $2.85; 1000, $22.50.

VAUGHAN'S SEEDLINGS

We make up this assortment from unnamed seedlings of our own and from several Gladiolus specialists. This mixture contains excellent values.

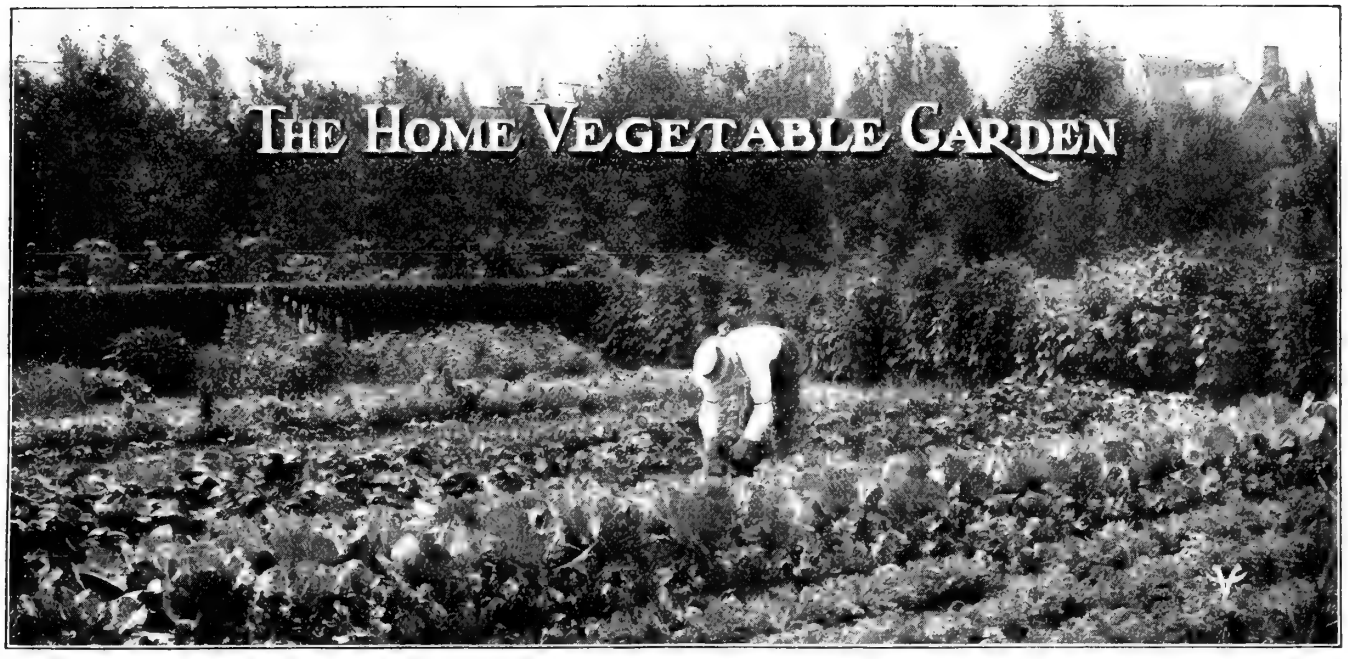
Price, doz., 40c, postpaid; by express, 50 for $1.25; 100 for $2.00; 250 for $4.00; per 1000, $15.00.

VAUGHAN'S GOOD MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in ordinary mixtures offered by us, and we do not intend to send out any mixtures, even of our cheapest, that will not make a brilliant showing in the gardens of our customers. This one, our cheapest, which we call "GOOD MIXED," will be found satisfactory everywhere excepting in the flower beds of the most critical. They are useful for mixed beds, borders and where large masses are to be planted. **Price, 4 for 12c; doz., 25c, postpaid; by exp., 50 for 75c; 100 for $1.25; 250 for $2.75; 500 for $5.00; 1000, $9.00.**

Gladioli by Parcel Post. If to be sent by this means reckon postage at rate of 8 lbs. per 100 bulbs.

"Last Spring we bought of you a quantity of Chicago White, Niagara, Hyde Park, Kunderdi Glory, Augusta, America and Mrs. Francis King. They all bloomed fine and bloomed profusely. Chicago White was 10 days earlier than any of the others and is a good white; Niagara is beautiful, Kunderdi Glory is tall with very heavy spikes and we like it; Augusta we found the greatest bloomer of all." W. F. JAGGER (Jagger and Halsey), Westhampton, L. I., N.Y.



The European war is not without its effect on the **Home Vegetable Garden.** There are many vegetable seeds usually grown in France, Germany and other beligerent countries to much better advantage than in our own country. However, we are pleased to state that with a few exceptions we can this year offer nearly our entire line. The presence in Europe of our representative who did not return until December kept us in close touch with conditions and permitted us to follow up and ship seeds otherwise impossible to obtain. Principal shortages for this year are Garden Beans, Large Peppers, Paris Golden Self-Blanching Celery, Swiss Chard, Carrot, Parsley, and a few kinds of early Cabbage.

Cut one year roots two years after planting; two or three year roots, year after setting.

ASPARAGUS ROOTS AND SEEDS

To kill asparagus beetle, mix 10 parts flour, 1 Hellebore; dust with it. Insecticides—After cutting, arsenate of lead or Paris Green.

ASPARAGUS ROOTS

	Doz.	100	1000
BONVALLET'S GIANT			
1 year old roots	$0.15	$1.00	$ 8.00
2 year old roots	.30	1.75	12.00
3 year old roots, transplanted for forcing	.50	3.00	25.00
PALMETTO			
1 year old roots	.10	.50	4.00
2 year old roots	.15	.75	5.50
3 year old roots, transplanted	.40	2.50	20.00
CONOVER'S COLOSSAL			
1 year old roots	.10	.50	4.00
2 year old roots	.15	.75	5.50
3 year old roots, transplanted	.40	2.50	20.00
COLUMBIAN MAMMOTH WHITE			
2 year old roots	.15	.80	6.00
3 year old roots, transplanted	.40	2.50	20.00
BARR'S MAMMOTH. 2 year old roots	.15	.80	6.00
GIANT ARGENTEUIL. 2 year old roots	.20	1.00	7.00

If by parcels post, weights of 100 roots are: 1 year (packed), 2-3 lbs.; 2 year (packed), 5-6 lbs.; 3 year (packed), 8-10 lbs.; 3 year, transplanted, (packed), 15-17 lbs.

ARTICHOKE, GREEN GLOBE—Perennial, large flowering heads, cooked like Asparagus. Matures second year; not hardy in the North. **Pkt., 10c; oz., 40c.**

JERUSALEM ARTICHOKE ROOTS—Best hog food known. Easily grown. Three bushels seed acre, enough to keep 20 to 30 hogs from October to April. Cut and plant like potatoes. **Lb., 20c; 3 lbs., 50c.**

Chicago: **Pk., 75c; bu., $2.00; bbl. (2¾ bu.), $4.25.** New York: **Pk., 15c; bu., 50c; bbl., $1.00,** to be added to these prices.

BONVALLET'S GIANT ASPARAGUS

THE GREATEST ASPARAGUS—MOST RUST-PROOF

Nothing like it in Asparagus, so popular has this special strain of ours become that, before the planting season was half over last year, our entire stock was sold out. The picture to the right in a measure shows the difference between this asparagus and a stalk of one of the best ordinary sorts. The difference in rich, juicy, fine flavor is still more remarkable than in the size. Bonvallet's Giant is a selection made by a veteran French asparagus grower who found a plant growing in his field of "Argenteuil" still vigorous and green, while the remainder of the field lay ruined and black with rust. Continual selections have been made since, always saving seed from the most vigorous and strong growing plants. Our seed is from the originator, gathered from the latest reselections. In habit of growth, Bonvallet's Giant is vigorous and healthy, outclassing all others we have tried; it usually produces a year in advance of other sorts. The cutting period is longer than others, as its crown does not divide. **Buy early.** Plant this grand vegetable and your table will be supplied with a rich luxury, nutritious and delightful.

Roots 2 years old, doz., 30c; 100, $1.75; 1,000, $12.00. Three-year-old transplanted plants, doz., 50c; 100, $3.00; 1,000, $25.00. Seed, pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; lb., $1.35.

CULTURE. Sow thickly in early spring; then in one or two years transplant at distance of 9 to 12 inches apart, in rows 3½ feet between them. Asparagus can be cut from such seeding in 3 to 4 years.

EARLY GIANT ARGENTEUIL—Famous Parisian Asparagus, grows to large size, vigorous and fairly free from rust; superb flavor. Our seed is from one of the largest Asparagus plantations near Paris. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.**

BONVALLET'S GIANT—Best variety for home and market gardens yet introduced (see illustration on this page). **Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; lb., $1.35.**

PALMETTO—Standard light green grass. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

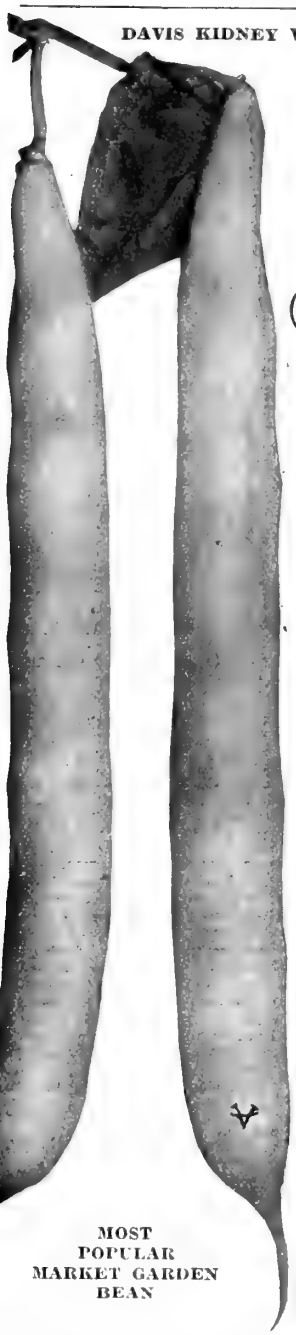
COLUMBIAN MAMMOTH WHITE—Large semi-white shoots—without earthing up. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

BARR'S MAMMOTH—Similar to Palmetto. Does better in some soils than in others. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

CONOVER'S COLOSSAL—A large, fast growing variety. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

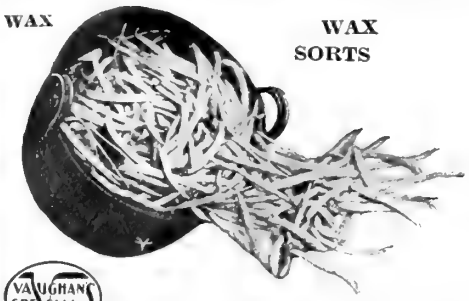
ASPARAGUS—BONVALETT'S GIANT WHITE, Compared with an Ordinary Green Sort

VAUGHAN'S



DAVIS KIDNEY WAX

MOST POPULAR MARKET GARDEN BEAN



WAX SORTS

The present 1914 Bean Crop is as short as any on record. A very rainy early season in the bean growing districts drowned out many crops on heavy or low land—later blight appeared, doing great damage and finally a drought finished off the season. Many crops were never harvested; the best fields yielded only half a crop. Particularly short are the Early Wax varieties, like Wardwell's Wax Currie's, Round Pod Kidney, etc., which are usually planted on heavy soil. In the green pod varieties Stringless Green Pod, Black Valentine, Longfellow and Bountiful are very short.

DAVIS KIDNEY WAX

The handsomest of all the early Wax Beans. The pods are long (seven inches), straight, very uniform and clear waxy white. The vines are vigorous, very prolific and fairly rust resistant. We are constantly improving the variety in this respect, using only the seed from unaffected vines. The dry beans are kidney-shaped, clear white and excellent to use as a Navy Bean for baking. For snap beans in the home garden they should be used while young, before they become stringy. The best market garden wax bean. **Pkt., 10c; pint (about 1 lb.), 25c; quart (about 2 lbs.), 45c; ½ pk., $1.50; pk., $2.75; bu., $10.00.**

ROUND POD KIDNEY WAX

Is early, of vigorous growth, heavy yielding vines, entirely stringless long pods, which are entirely edible and of fine flavor. Of the **round pod varieties** this is one of the best. **Pkt., 10c; pint (about 1 lb.), 25c; quart (about 2 lbs.), 45c; ½ pk., $1.60; pk., $3.00.**

Due to an unfortunate season we are unable to offer our famous Vaughan's Monster Stringless Wax Beans this year.

BLACK PENCIL POD WAX

Bushy, heavy yielding vines, 15 inches high, bear, round, **6 to 7 inches long**, thick, stringless, rich yellow pods, containing black seeds of excellent quality; a splendid sort for the home garden. **Pkt., 10c; pint (about 1 lb.), 25c; quart (about 2 lbs.), 45c; ½ pk., $1.50; pk., $2.75.**

WARDWELL'S WAX

In the prairie soils of the west, gives exceptionally fine results; but in some other localities is inclined to rust, the pods are uniformly 7 inches long, flat, brittle, entirely stringless, straight, finely shaped, and beautiful yellow color, making them quite distinct and attractive. This is a fine yielder, and for either home or market garden has merit that gives satisfaction. **Pkt., 10c; pint (about 1 lb.), 25c; quart (about 2 lbs.), 45c; ½ pk., $1.60; pk., $3.00.**

IMPROVED GOLDEN WAX

A medium early variety and a heavy cropper, on vines of vigorous bushy growth, with good rust-resisting nature. The pods are golden yellow, fleshy and solid, brittle, waxy texture and have an exquisitely rich butter flavor, excellent for home and market garden. May be sown any time to early fall with the assurance of a good crop. **Pkt., 10c; pint (about 1 lb.), 25c; quart (about 2 lbs.), 45c; ½ pk., $1.50; pk., $2.75; bu., $10.00.**

IMPROVED GOLDEN WAX

HAS DISTINCT BUTTER FLAVOR

IMPROVED GOLDEN WAX

WARDWELL'S WAX

CURRIE'S RUST-PROOF GOLDEN WAX

Is early, very hardy and nearly rust-proof. The pods are long golden yellow and are crisp, tender and fine eating—the seeds are black; this is much planted. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 40c; ½ pk., $1.35; pk., $2.50.**

HODSON WAX

The greatest yielder of all garden varieties. Season medium early, vines bear a mass of long straight pods, resembling the Davis Wax in shape and quality; a remarkable wax bean. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25; bu., $8.00.**

Our Bean "Packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express these packages contain more seed. The prices below, except for packets, do not include postage. If to go by mail add postage for one pound per pint, two pounds per quart.

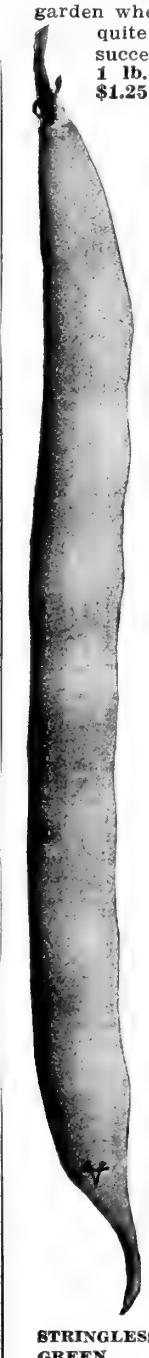
OTHER KINDS

	Pkt.	Pt.	Qt.	Pk.
CHALLENGE BLACK WAX. Early; pods tender and stringless; seeds black	$0.10	$0.25	$0.45	$2.75
STRINGLESS REFUGEE WAX. Very productive; pods long, stringless and brittle	.10	.25	.45	2.75
PROLIFIC BLACK WAX. Very early; prolific long pod	.10	.25	.45	2.75
VALENTINE WAX. Second early, prolific; pods yellow	$0.10	$0.20	$0.40	$2.50
GOLDEN EYE WAX. 18 inches. Early, large flat pods	.10	.20	.10	2.50
FLAGEOLET WAX. Resists rust; pods large flat yellow	.10	.25	.45	2.75
YOSEMITE WAX. Exhibition variety. Pods thick, 10 to 12 inches long, golden yellow	Crop Failure			
HORTICULTURAL WAX. New. A very desirable early bean for market	.10	.20	.40	2.25
MONSTER STRINGLESS. Stringless. Largest pod of the bush varieties	Crop Failure			

SUPERB BEANS

We reserve the right to reject orders for Beans alone.

In green pod beans the following will give you fine variety and keep you well supplied. EARLIEST VALENTINE first early. STRINGLESS GREEN POD, Longfellow, FULL MEASURE (NEW) round pods; BOUNTIFUL STRINGLESS, in the flat pod varieties. For market gardeners, mainly VALENTINE, LONGFELLOW, BLACK VALENTINE, REFUGEE.



STRINGLESS GREEN POD

STRINGLESS GREEN POD

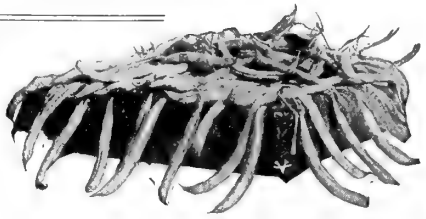
Early and very prolific; long, round, straight, thick, meaty pods, entirely free from strings or fiber, of rich deep green color, they are very attractive, and excellent quality has given them many seasons of ever growing popularity. It is now a great leader and staple for general purposes. In the garden where green pod beans are desired this sort is quite indispensable. Plant every two weeks for succession until September. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25; bu., $8.00.**

GIANT STRINGLESS GREEN POD

An immense type of Improved Earliest Valentine, and nearly as early. The pods have all the excellent qualities of the original, with the advantage of much greater size, which enhances their appearance greatly. With stringless green pod for succession this is a splendid sort to plant. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.15; pk., $2.00; bu., $7.50.**

LONGFELLOW—(Round Pod)

Very handsome, nearly stringless, beautiful, soft green pods, 7 to 8 inches long, straight and round, are borne on very prolific vines. These elegant appearing pods are delicious when cooked, and are unexcelled for the home garden, they ripen uniformly (an early 6-weeks), plants are 14 to 16 inches high—for market gardeners this is a most profitable sort. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25; bu., $8.00.**



GREEN SORTS

VAUGHAN'S BOUNTIFUL STRINGLESS

BOUNTIFUL STRINGLESS

—Flat Pod

A "Long Yellow Six Weeks," improved by earlier growth, hardiness, and more prolific yield. The pods are better, larger, more tender than the original, and in addition are very handsome, an important feature for exhibitions. They have a distinctly fine quality which makes them desirable, useful and profitable for either home or market garden planting. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.15; pk., $2.00; bu., $7.50.**

BLACK VALENTINE.

Is one of Vaughan's Seed Store specials, which has developed great popularity, it has many good qualities to recommend it. It is not as early as "Improved Red Valentine," the original strain, from which this was developed and improved, but it is suited to both **early** and **late planting**, as its hardy nature overcomes light frost. The pods are a third longer than Red Valentine and grow in great clusters, perfectly straight and round. All around splendid qualities and fine appearance make it a grand sort for market gardeners. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 40c; ½ pk., $1.35; pk., $2.50; bu., $9.50.**

For Stringless Refugee see novelty pages.

IMPROVED RED VALENTINE

Is very hardy and germinates in cold ground where other sorts would not. They are also very early; vines about 15-inches high, yield well, pods are round and fleshy, eaten young are of good quality; the seeds are red spotted.

The demand for a hardy early bean of good quality has made an established reputation for this excellent standard sort.

For market garden and home use it is an early, easy winner of trade and has been found to be profitable as it has always been dependable. This splendid variety is offered in the greatest confidence, by Vaughan's Seed Store that it will always make good. **Pkt., 10c; pint (about 1 lb.), 15c; quart (about 2 lbs.), 30c; pk., $1.75; bu., $6.50.**

Buy Early Plant Early

RED VALENTINE—The Earliest Green Pod Bean

REFUGEE OR 1000 TO 1

A producer of remarkably large crops. Compared to Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; pk., $2.00; bu., $7.50.**

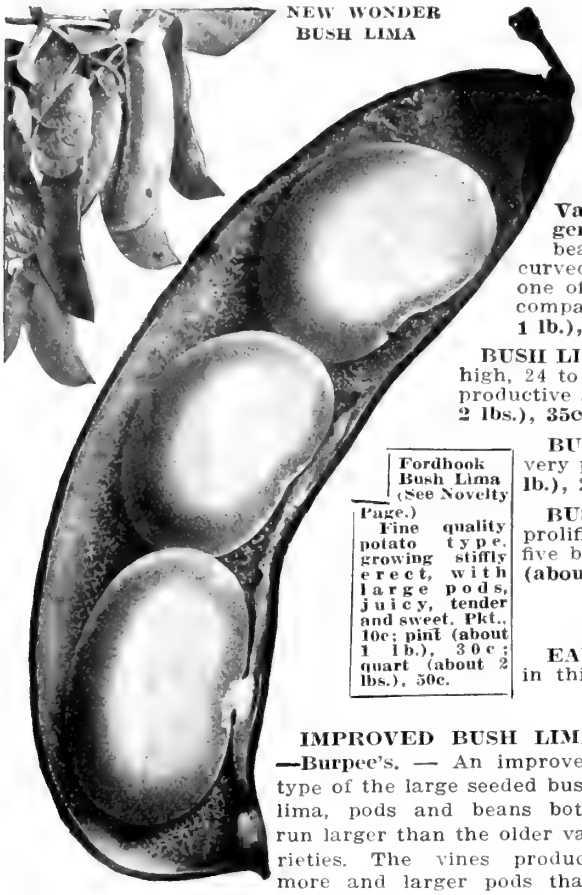
FULL MEASURE GREEN POD.

A new main crop variety of bush bean—a Stringless, Round, Green Pod Bean. Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; pk., $1.90; bu., $7.50.

OTHER LEADING SORTS

The prices except for packets do not include postage; if to go by mail add postage for one pound per pint or two pounds per quart.

	Pt.	Qt.	Pk.	Bu.
EXTRA EARLY REFUGEE, similar to the Refugee; two weeks earlier	$0.20	$0.35	$1.90	$7.00
BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class	.20	.40	2.25	8.50
DWARF HORTICULTURAL. Late Heavy yielding. Flat yellow pods spotted with red	.25	.45	2.75	....
EARLY MOHAWK. Productive, long flat pods. Early, rather stringy	.15	.30	1.75	6.50
EARLY ROUND POD. SIX WEEKS. Early sort for market. Good yielder	$0.15	$0.30	$1.75	$6.50
EARLY YELLOW. SIX WEEKS. Similar to round sort, with flat pods	.15	.30	1.75	6.50
IMPROVED NAVY. Fine field sort	.15	.25	1.25	4.50
WHITE KIDNEY. For shell beans	.15	.30	1.60	6.00
RED KIDNEY. For same use as white	.15	.25	1.50	5.50
TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. Pkt., 15c; ½ pt., 20c	.40	.75	....	....
WHITE MARROW. Good shell bean.	.15	.30	1.60	6.00



NEW WONDER BUSH LIMA

Special Postpaid Offer—Read Inside Cover Page

LIMA AND

NEW WONDER BUSH LIMA

Is the recognized standard **of the large seeded** bush limas; the highest expert authorities so regard it, and the popular favor with which **Vaughan's strain** of this valuable sort has been received is proof that, for **general purposes** Vaughan's is superior. The plants are large, compact, long bearing and very prolific, and mature in mid-season, the pods are slightly curved, large, uniform, and usually contain three seeds. The original of this was one of the first types of Bush Limas, over which this is a great improvement in compactness, earliness, and less tendency to make runners. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 40c; ½ pk., $1.50; pk., $2.75; bu., $10.00.**

BUSH LIMA—Burpee's. A true bush form of large **White lima,** bush 15 to 20 inches high, 24 to 30 inches diameter; its thick stems furnishing abundant support; it is very productive and of unsurpassed quality. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.40; pk., $2.50; bu., $9.00.**

Fordhook Bush Lima (See Novelty Page.) **Fine quality potato type, growing stiffly erect, with large pods, juicy, tender and sweet. Pkt., 10c; pint (about 1 lb.), 30c; quart (about 2 lbs.), 50c.**

BUSH LIMA—Henderson. The earliest of all true limas; a reliable cropper, very productive of compact form and free from mildew. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 30c; ½ pk., $1.10; pk., $2.00; bu., $7.50.**

BUSH LIMA—Dreer's. A dwarf variety of Dreer's Improved Lima; very prolific, often 150 to 200 pods on a single plant, each pod containing four or five beans of excellent flavor. Even in dry seasons it does well. **Pkt., 10c; pint (about 1 lb.), 25c; quart (about 2 lbs.), 45c; ½ pk., $1.75; pk., $3.25.**

POLE LIMAS

EARLY LEVIATHAN. The most satisfactory early, having the **largest pods,** in this respect **equaling** the **main crop** varieties. When frost requires that an early be used, this is excellent, being as early as any. Pods grow in clusters of five to eight, filled with seeds of fine flavor. For growers of Sieberts, or Early Jersey this is excellent. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25; bu., $8.00.**

IMPROVED BUSH LIMA

IMPROVED BUSH LIMA —Burpee's. — An improved type of the large seeded bush lima, pods and beans both run larger than the older varieties. The vines produce more and larger pods than New Wonder; they are also thicker and longer. This variety is a week earlier than New Wonder or Burpee's Bush Lima. **Pkt., 10c; pint (about 1 lb.), 30c; quart (about 2 lbs.), 50c; ½ pk., $1.90; pk., $3.50.**

SIEBERT'S EARLY LIMA. Is hardy, early and an enormous producer, a grand variety for northern climates. Pods are dark green, medium long, well filled with 3 or 4 large, tender, fleshy beans of excellent quality. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 30c; ½ pk., $1.00; pk., $1.85; bu., $7.00.**

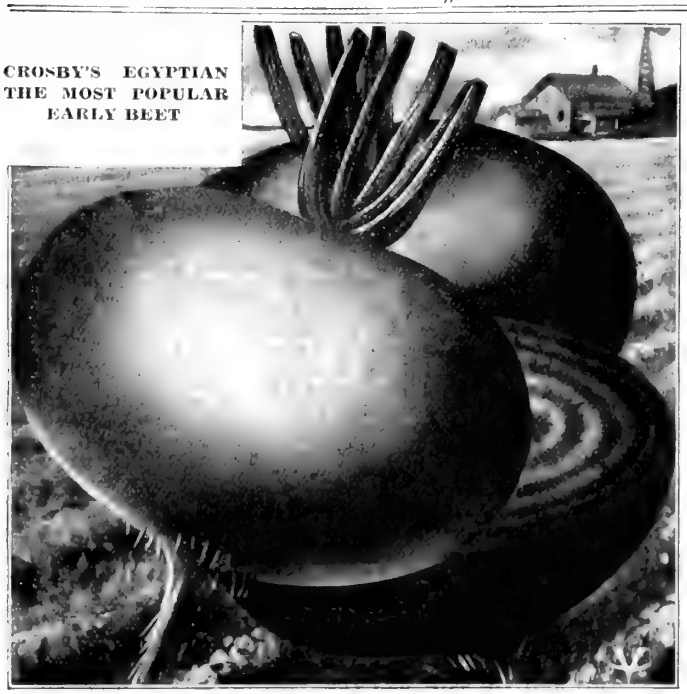
KING OF THE GARDEN. A **climber** that **blooms** and **produces** to **end** of the **season.** Uniform pods, 5 to 8 inches long, filled with beautiful beans of superior quality. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.15; pk., $2.00; bu., $7.50.**

An ounce of Beet Seed is generally sufficient for a home garden. It requires from 5 to 6 lbs. to sow an acre.

Closely allied to Beet is Swiss Chard, which is the most satisfactory vegetable for summer greens. See complete list of varieties, page 53.

VAUGHAN'S

CROSBY'S EGYPTIAN THE MOST POPULAR EARLY BEET



OUR KEY TEST. Is performed by means of damp blotters, and a proven sample of a similar variety of **known germination.** Thus the vitality of all our seeds is correctly determined and real percentage of growth ascertained.

CROSBY'S EGYPTIAN

Bred from "Early Flat Egyptian," retains the good qualities of the original, but is improved in **thickness** and **shape.** It is very early, deep red color, almost black; smooth, flesh sweet, tender and palatable. Expert care is required in growing this variety to retain earliness, shape and color. **Our strain** is kept to the **highest standard** to meet every requirement. With this market gardeners can offer beets at a time when high prices prevail for beets of presentable size, that are right for bunching.

VAUGHAN'S SELECTED STOCK. Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.25. By express: 5 lbs., $5.50.
CHOICE STOCK. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.

VAUGHAN'S FIRE BALL

The home garden variety par excellence.

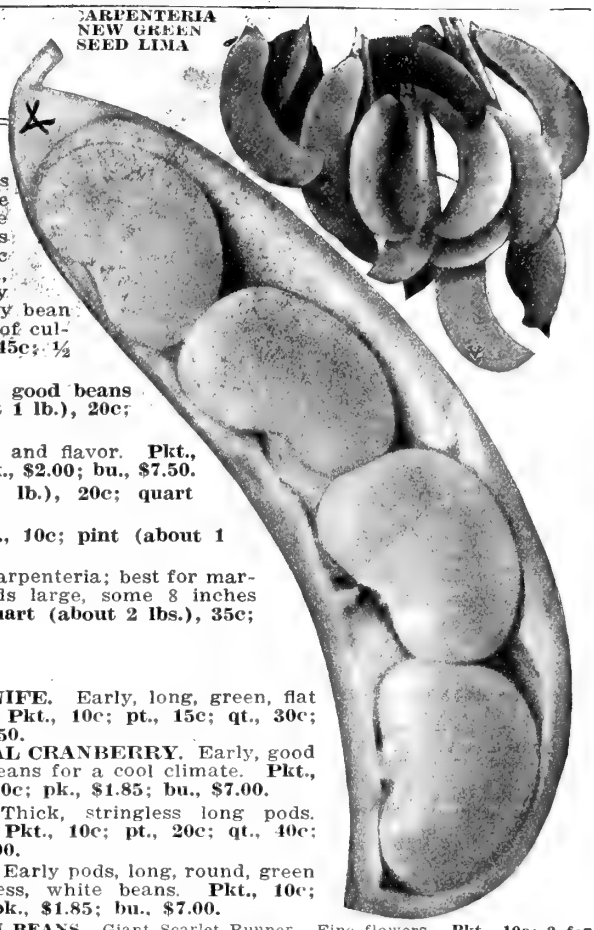
Are you gardening for profit or pleasure? In either case **this beet** will give you most satisfactory **results.** It has no superior and in some respects no equal; market gardeners who cater to particular people and fancy trade find this a winner. It is early maturing with "Crosby's Egyptian," of fine globe shape, rich deep red color, and the flesh is solid and very sweet. The tops are small, which do not permit such rapid work in bunching, but **permit closer planting** than larger topped sorts. This **is a** beet to make money by, as its handsome appearance makes it a ready seller. **Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.25.**

LONG SMOOTH DARK BLOOD Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.**

EDMAND'S EARLY. One of the best, round, well formed, has only one tap root, flesh is deep blood red, very sweet and tender. They do not grow large and coarse, have small tops, they can be planted close. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.**

HALF LONG BLOOD. A splendid winter sort, **half the length of "Long** Smooth Dark Blood," but equally heavy, because thicker. **Always smooth,** rich dark red flesh, sweet, tender and crisp. **Never woody. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c; by express, 5 lbs., $3.50.**

POLE BEANS


CARPENTERIA NEW GREEN SEED LIMA

CARPENTERIA

"The most perfect pole Lima"; this is what experts say **Vaughan's new Carpenteria** is. The large handsome beans are of exceptionally fine quality, as indicated by the **beautiful soft green** tint they carry from the ripening period—even long after they are dry. The **green tint** in this new sort represents **quality** of the **very finest.** Carpenteria is as prolific as any white lima, the vines being very strong and vigorous in growth, with many large runners on which are produced an immense quantity of pods, filled with three or four, usually four, large broad beans, every bean being fat, full and juicy; this is as near perfection as present methods of culture permit. **Pkt., 10c; pint (about 1 lb.), 25c; quart (about 2 lbs.), 45c; ½ pk., $1.50; pk., $2.50; bu., $9.00.**

FORD'S MAMMOTH. Pods average 8 inches long, contain 5 to 7 **good beans edible green or dry;** they grow in rich clusters. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.15; pk., $2.00; bu., $7.50.**

CHALLENGER OR DREER'S IMPROVED. Thick pods, good size and flavor. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.15; pk., $2.00; bu., $7.50.**

LARGE LIMA. Large attractive beans. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 30c; ½ pk., $1.00; pk., $1.85; bu., $7.00.**

EXTRA EARLY JERSEY LIMA. Old standard. Small pods. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.15; pk., $2.00; bu., $7.50.**

IDEAL POLE LIMA. Selection from the "White Lima," except Carpenteria; best for market use in central states where a main crop may be matured. Pods large, some 8 inches long flat beans of good quality. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25; bu., $8.00.**

If by mail add postage for 1 lb. per pt., 2 lbs. per qt.

POLE BEANS

Need Support

EARLY GOLDEN CLUSTER WAX. Long Golden Stringless, fine quality, pods borne in clusters, large pure white seeds. **Pkt., 10c; pt., 25c; qt., 45c; pk., $2.75; bu., $10.00.**

BURGER'S STRINGLESS GREEN POD. Long bearing vines, beans small and white, good for baking. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.50; bu., $8.50.**

SCARLET RUNNER. Good snap bean, ornamental, bright red flowers. **Pkt., 10c; pt., 25c; qt., 45c; pk., $2.75.**

KENTUCKY WONDER or OLD HOMESTEAD. Long, flat, green pods, seven to nine inches in length, fleshy and stringless. Heavy yielder. Excellent for snap beans. **Pkt., 10c; pt., 20c; qt., 35c; pk., $2.00; bu., $7.50.**

DUTCH CASEKNIFE. Early, long, green, flat pods, white seed. **Pkt., 10c; pt., 15c; qt., 30c; pk., $1.75; bu., $6.50.**

HORTICULTURAL CRANBERRY. Early, good for snap or shell beans for a cool climate. **Pkt., 10c; pt., 20c; qt., 30c; pk., $1.85; bu., $7.00.**

LAZY WIFE. Thick, stringless long pods. Good shell bean. **Pkt., 10c; pt., 20c; qt., 40c; pk., $2.50; bu., $9.00.**

CREASEBACK. Early pods, long, round, green tender and stringless, white beans. **Pkt., 10c; pt., 20c; qt., 30c; pk., $1.85; bu., $7.00.**

SIX FINE FOREIGN BEANS. Giant Scarlet Runner. Fine flowers. **Pkt., 10c; 3 for 25c.** Two Colored Fire Bean, Pink and White Flowers. **Pkt., 10c; 3 for 25c.** July Pole. Fine tender pods. **Pkt., 15c; 2 for 25c.** French Asparagus, "Yard long" pods. **Pkt., 15c;** Wax Pole "Fill Basket." **Pkt., 10c; 3 for 25c.** New, Very Early Green Pod Pole, Pres. Roosevelt. **Pkt., 10c; 3 for 25c.**

BEETS

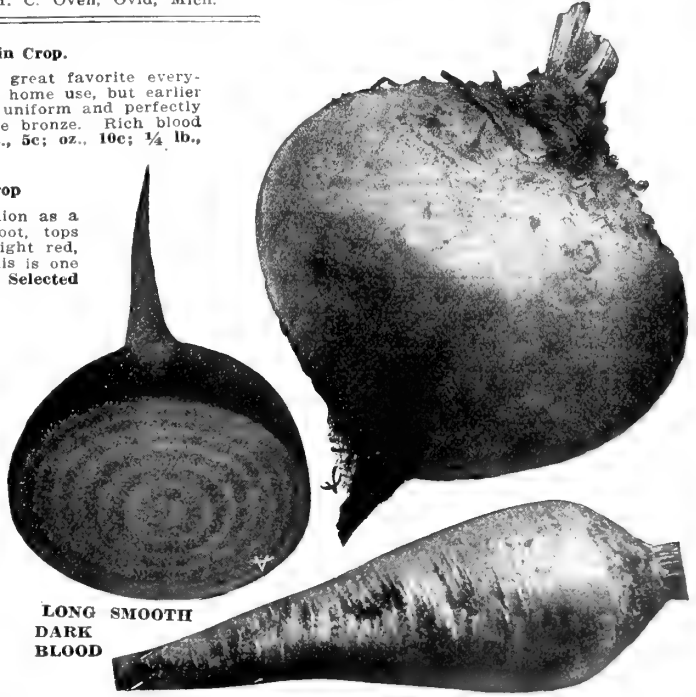
"Our early beets were extra fine this year. Vaughan's Fireball was early and the color the deepest darkest red we have ever seen—and they can't be beat for flavor."—H. C. Oven, Ovid, Mich.

CRIMSON GLOBE Second Early and Main Crop.

Is a handsome beet, a second early and main crop for market, a great favorite everywhere and very largely planted, the equal of "Detroit" in quality for home use, but earlier and not so dark. Medium size almost globe shape, free from rootlets, uniform and perfectly smooth, average size about 10 inches around, foliage small, rich purple bronze. Rich blood red flesh, slightly zoned, always sweet, tender and never stringy. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c; prepaid, 5 lbs., by express, $3.50.**

DETROIT DARK RED TURNIP Main Crop

DETROIT DARK RED TURNIP
A Main Crop in the Home Garden


LONG SMOOTH DARK BLOOD

Through all Western States this variety has an unequalled reputation as a **top notch cropper.** A perfect turnip shaped beet, with small tap root, tops small, upright, fine for market bunching, skin dark blood red, flesh bright red, fine, sweet and tender. For the home garden and market gardener this is one of the few **best varieties.** Our stock is fine in all respects. **Vaughan's Selected Stock. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $4.75.**

VAUGHAN'S CHICAGO MARKET. A very exceptional Beet. Turnip shape, medium size, rather small top, fine tap root. A main crop variety of great merit, for the home garden. Perfect dark blood red color, the leaves of every beet are of the darkest glossy red, nearly black. A splendid keeper, does not over-grow when left in the garden, so soon as other varieties. **Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., $1.25.**

ARLINGTON IMPROVED. Early deep round form, medium size, dark blood red; does not become stringy; sweet and tender at all times. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

BASSANO EARLY FLAT RED. One of the earliest, flesh tender, white and rose in color. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.**

DEWING'S EARLY BLOOD TURNIP. Good color, medium size, smooth and handsome. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.**

EARLY ECLIPSE. Roots globular, small tap root, very small collar. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c; 5 lbs., $3.50.**

ELECTRIC. Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark red rich crimson, flesh zoned. Flavor delicate, rich and sugary. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c; by express, 5 lbs., $3.50.**

IMPROVED EARLY EGYPTIAN. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.**

See Page 142 for Mangels, Sugar Beets, (Stock Roots).

EARLY JERSEY WAKEFIELD

VAUGHAN'S SELECTED STOCK

VAUGHAN'S

EARLY OBLONG VARIETIES

EARLY JERSEY WAKEFIELD

Our strain of this most popular sort combines in the highest degree the essential features so important in an extensively planted variety. Earliness and hard-heading qualities in this sort are of utmost importance to the planter; with the greatest care in growing, testing, cleaning and trials, we have produced seed to which we are confident none is superior.

This is the best extra early oblong, conical-shaped head variety for planting in the United States; more seed is planted of this sort than of all others of the same type. The small outside leaves permit close planting.

Vaughan's Selected, American Grown. Pkt. 10c, ½ oz. 20c, oz. 30c, 2 ozs. 50c, ¼ lb. 80c, lb. $3.00.

LARGE JERSEY or CHARLESTON WAKEFIELD

Has uniform heads much larger than Early Wakefield, and matures a few days later. Does as well on clay ground as on other soil. Very popular with Southern gardeners. **Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.**

EARLY WINNIGSTADT—Sure to head, regular, conical shape, very hard and hardy, a good keeper winter or summer, one of the best for general use. Best imported seed only. **Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.85.**

EXTRA EARLY EXPRESS—Compact, round thick leaves forming an oval head, remarkably large for size of plant—thicker and less pointed than Jersey Wakefield—and matures a short time later. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

EARLIEST ETAMPES—Not quite so hard but fully as large as Express, which it resembles. Excellent quality. Sold as "Earliest of all," "Wonderful," etc. Buy Vaughan's Seed to get best quality. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

EARLY YORK—Heart shape, small head, firm and tender, may be planted 15 to 18 inches apart. **Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.70.**

EARLY ALL HEAD

FLAT AND ROUND SORTS

ALL HEAD or FAULTLESS. For general purposes is the best; the amateur who plants only one variety should select this. It matures large heads uniform and of handsome appearance and of quality equaled only by "All Seasons." Its few outer leaves permit close planting; this variety is most popular amongst Kraut growers, because the largest possible tonnage per acre may be produced. Our seed is grown for us by the originator on Long Island. **Pkt. 5c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $2.60.**

EARLY FLAT DUTCH—Standard early, sure solid header, weight 10 to 12 pounds each, even size. Mature about same time as Early Summer. One of the best second earlies. Stands long without bursting. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 65c, lb. $2.25.**

NEW EARLY FLATHEAD—(New Early Spring.) Has the thick heavy leaves of "Jersey Wakefield," from which it is a product crossed with "Succession." The leaves are slightly rounded, season about same as Wakefield; of dwarf habit with few outside leaves. **Pkt. 5c, ½ oz. 12c, 2 ozs. 35c, ¼ lb. 70c, lb. $2.60.**

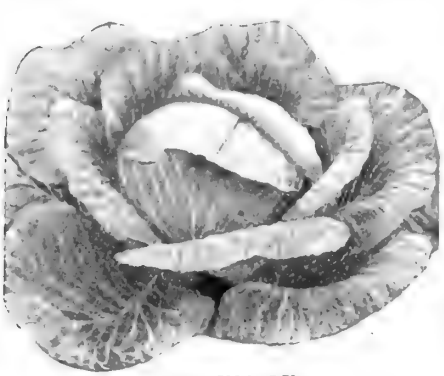
EARLY SPRING

Is the same type and almost as early as "Jersey Wakefield," its shape is round slightly flattened on top; it is smaller than "Early All Head," heads become very solid even before the full size of the cabbage is attained. **Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 65c, lb. $2.25.**

EARLY SUMMER

The heads are round and flattened. A very popular variety for early market; in season it follows right after "Jersey Wakefield." The heads are of fair size, very compact and solid, the quality is good, it has large outer leaves, has an attractive appearance, being tinged with a peculiar shade of blue. Its quality and handsomeness secure for it ready sale. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 65c, lb. $2.25.**

The best is the cheapest, therefore buy Vaughan's Seeds and be assured of a good garden and an abundant harvest before you sow a seed.



SUCCESSION.

SUCCESSION

About two weeks later than early summer, heads are large and slightly flatter than the above variety and run more uniform. The heads are solid, keep well and are of splendid quality, the color is a beautiful light green. This, as a second early, is a favorite with market gardeners. **Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 70c, lb. $2.60.**

LATE FLAT DUTCH. Smaller than "Premium Flat Dutch," sometimes a little better keeper. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

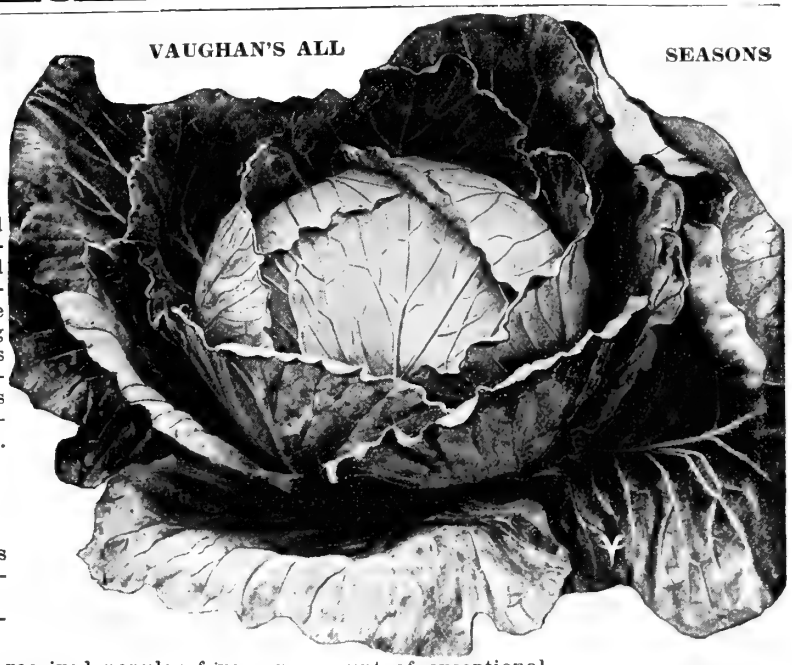
FOTTLER'S BRUNSWICK DRUMHEAD. Comes in much earlier than "Premium Flat Dutch." A dwarf growing sort with very large early heads, and is valuable both as **Second Early** and for winter use; it is much planted by gardeners. The heads are flat and solid with few outer leaves—light green color. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

NOTE.

Slug Shot kills cabbage worms absolutely—can be used without danger. 5 lbs. 40c, 10 lbs. 60c, 25 to 50 lbs., 5c per lb.

EARLY SUMMER

CABBAGES


VAUGHAN'S ALL SEASONS

FLAT AND ROUND SORTS.

VAUGHAN'S ALL SEASONS

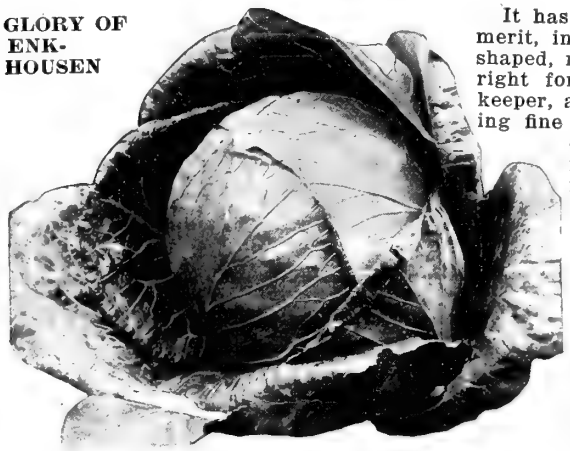
A cabbage that is really early, yet is suited to all growing seasons, as under the most adverse conditions it is almost a sure header, even when planted very late it keeps well, and is of much better quality than the **big-ribbed winter sorts.** The heads are large and solid, the leaves **small ribbed** and the eating quality is not excelled in the cabbage line. The heads are larger and mature about as early as "Early Summer." At our trial grounds these characteristics have been decidedly noticeable when making comparisons with other varieties grown side by side. **Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.**

GLORY OF ENKHOUSEN

A Valuable Early Variety

Has become a remarkably popular early, and is regarded as amongst the most important introductions in the cabbage line for some years.

It is a splendid sort for the private garden and market gardener who grows for high-class trade.


GLORY OF ENK-HOUSEN

It has received popular favor on account of exceptional merit, in several important points. The heads are globe-shaped, medium size, and handsome dark-green color, just right for market; it is sure heading and is a splendid keeper, and early. The quality is excellent, the leaves being fine ribbed. The outer leaves fold close, permitting close planting. This variety has been tried in many market growing centers, and results have made the growers most enthusiastic, and given it great popularity in a comparatively short time; it is now standard. **Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 70c, lb. $2.60.**

Plant Copenhagen Market, a new first early, flathead variety, good keeper, high quality, small outside leaves permitting close planting. See novelty pages for full description. Pkt. 10c, ½ oz. 25c, oz. 45c, ¼ lb. $1.25, lb. $4.10.

DANISH SUMMER BALLHEAD.

It is a second early, hard, long keeping and of superb quality, it resembles the winter Ballhead closely, but is smaller and on the top slightly flat; the outer leaves show traces of curliness, and have a delicate flavor suggestive of savoy cabbage, the ribs are very fine in the leaves, the color of which is light green. This cabbage is taking a place among Earlies, as "Danish Ballhead" has among the later sorts. **Pkt. 10c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 70c, lb. $2.60.**

MAIN CROP VARIETIES

DANISH BALLHEAD

VAUGHAN'S SELECTED STOCK

This is the most popular of all late varieties for winter use. The seed we offer is grown on Amagar Island, Denmark, and is, not only **genuine,** but also of the **highest standard of quality.** Many trials have proven the superiority of Danish grown seed, of this strain, over that produced in other countries.

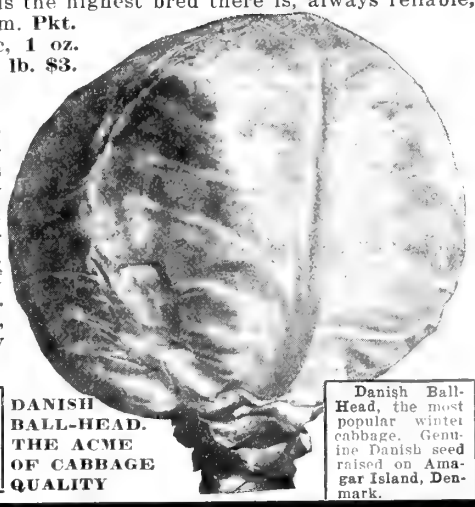
The Ballhead we offer is the **tall-stemmed strain,** so distinguishable from the short-stemmed "Hollander," or the "Dwarf Amagar," the Danish grown strain of the "Hollander." Because of its great solidity of head, and its unequaled keeping and shipping qualities, Danish Ballhead has supplanted nearly all other varieties for winter use. The heads are the right market size—not too large, very hard and heavy, weighing a fourth more than other varieties of equal size, the leaves are fine grained and deliciously tender. The strain we offer is the highest bred there is, always reliable, true and uniform. **Pkt. 10c, ½ oz. 20c, 1 oz. 35c, ¼ lb. 85c, lb. $3.**

PREMIUM FLAT DUTCH

PREMIUM FLAT DUTCH

Of the **Flat-head** varieties this large heading sort is the most popular; no other cabbage of this class is so universally planted. Seed may be sown in the open ground and plants raised without the use of hotbeds. Our seed produces immense, solid heads, uniform, true, and of finest and delicious quality. **Pkt. 5c, ½ oz. 12c, oz. 20c, 2 ozs. 35c, ¼ lb. 60c, lb. $2.10, postpaid. By express, 5 lbs. $9.50.**

BOOKS FREE WITH ORDERS.
Vaughan's Vegetable Garden Book with $1.00 vegetable seed order.
Vaughan's Vegetable Cook Book with $1.00 vegetable seed order.


DANISH BALL-HEAD. THE ACME OF CABBAGE QUALITY

Danish Ball-Head, the most popular winter cabbage. Genuine Danish seed raised on Amagar Island, Denmark.

DUTCH WINTER OR HOLLANDER

In the famous cabbage growing district of Wisconsin, Central New York, Michigan, etc., Dutch Winter or Hollander is used almost entirely. IT IS AN EXCELLENT SHIPPER.

VAUGHAN'S

DUTCH WINTER OR HOLLANDER

Is the best of cabbages for late spring sales, no other will sell against it. The heads are medium size, averaging about 8 lbs., very solid, a distinct, fine, white color, good quality. They are uniformly excellent keepers, often they are as solid and perfect when taken out in the spring as when put away in the fall.

Vaughan's Extra selected stock. **Pkt. 10c, ½ oz. 20c, oz. 30c, ¼ lb. 85c, lb. $3.00, postpaid. By express, 5 lbs. $14.00.**

DWARF AMAGAR OR SHORT-STEMMED DANISH BALLHEAD

A variety almost identical with Dutch Winter or Hollander. We import our seed of this direct from Amager Island, Denmark. One-year-old proven stock, if wanted. **Pkt. 10c, ½ oz. 20c, oz. 30c, ¼ lb. 85c, lb. $3.00, postpaid. By express, 5 lbs. $14.00.**

OTHER GOOD SORTS.
Any of the Following, Pkt. 5c.

	oz.	¼ lb.	lb
LARGE LATE AMERICAN DRUMHEAD. A selected strain of this Standard Winter Cabbage	$0.20	$0.60	$2.00
AUTUMN KING, SIMILAR to Flat Dutch with ruffled outer leaves	.20	.60	2.10
IMPROVED STONE-MASON. A large, solid, late Drumhead — popular in some sections	.20	.60	2.10
LOUISVILLE DRUMHEAD. Very compact, short-stemmed, semi-flat, good quality	.20	.60	2.10
Marblehead MAMMOTH DRUMHEAD. Late. About the largest cabbage grown. Popular with gardeners	.20	.60	2.10

VAUGHAN'S BRIDGEPORT

The best Large Fall Shipping Cabbage in Existence. We introduced this variety over twenty years ago and our strain has been carefully selected every year since. The original type has been kept up and improved to a high degree of perfection; a field of them is more uniform than any other sort.

SOLID HEAD

A Money-Maker For Market Gardeners

Carrots require a deep well worked soil. Seed—four pounds to the acre.

LONDON MARKET. Surpassing flavor, very crisp flesh, yet tender without a pithy heart. Pkt. 10c, oz. 20c, ¼ lb. 35c, 1 lb. $1.25.

VAUGHAN'S

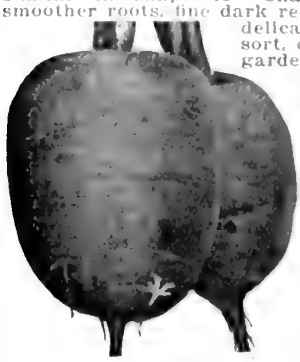
VAUGHAN'S SELECT DANVERS.

The greatest proof of the popularity of this strain is found in the fact that, whenever we have been able to supply the demands made upon us for seed, it has been planted to the exclusion of almost all other sorts.

This has been the situation for more than twenty years. Our strain is widely known and planted, and has continued to grow in popular favor year after year. The reason for this increasing popularity is due to its uniform, combined excellencies, rather than to one specially good point, as is the case with some other sorts. While some varieties of carrots attract attention because of extreme sweetness, color or other quality, Vaughan's Selected Danvers, without being extreme in any, possesses all to a singularly high degree of perfection.

Then the yield is greater per acre than any other sort, and it is a marketable crop. The size, shape, color, flavor and sweetness are all ideal. **Pkt. 10c, oz. 25c, ¼ lb. 40c, lb. $1.40, postpaid. By express, 5 lbs. $6.00.**

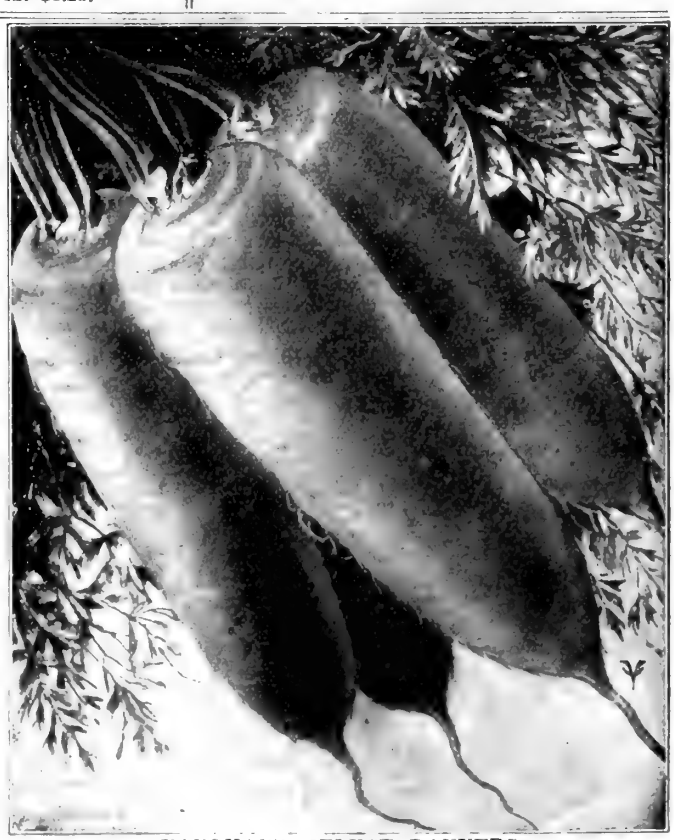
VAUGHAN'S CHICAGO FORCING. A FORCING STRAIN. It is similar in shape to "Chantenay," develops much earlier; has smoother roots, fine dark red color; before other sorts, it is a little delicate for market purposes; as a **forcing** sort, or for open ground as an early in home gardens it is fine. Excellent quality, fine short leaves, no core or heart. **Pkt. 10c, oz. 20c, ¼ lb. 45c.**



OX HEART

GUERANDE or OX HEART

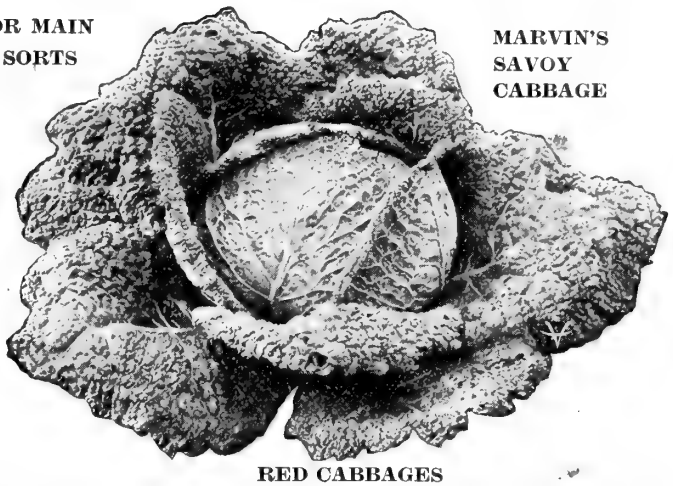
Home and market gardeners find this an excellent variety to plant. It grows very rapidly and attains a weight of more than one pound. We recommend this carrot as possessing qualities of exceptional merit. It is thick, 5 inches long, and very fine flavor, general good quality and tenderness makes it desirable. **Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, postpaid. By express, 5 lbs. $3.50.**



VAUGHAN'S SELECT DANVERS.

CABBAGES

LATE OR MAIN CROP SORTS



MARVIN'S SAVOY CABBAGE

SURE HEAD

This variety develops large round flattened heads, which are uniform in size and weigh 10-15 pounds each. They are very solid and fine eating quality. Our strain is held in high esteem by gardeners and large growers; it is certain to head in the most unfavorable season. **Pkt. 5c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $2.60.**

The Lupton. The habit of this variety is to develop a very large head in comparison to the size of the plant but it is **not spready.** It is of very strong growth, and is one of the best keepers, being bright and fresh when taken out in the spring. Our seed, grown for us by the originator, will produce cabbages of the very best type. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

DRUMHEAD CABBAGE

The excellence of this cabbage is well known by many gardeners, its quality is fine; and either for slicing for kraut, or for general purposes, its usefulness is not surpassed by any other sort.

Pkt. 10c; 1-2 oz. 15c; oz. 25c; 2 ozs. 45c; 1-4 lb. 75c; lb. $2.50. By express, 5 lbs. $11.00, 10 lbs. $20.

Buy Vaughan's Seeds. The Best.

FINELY BRED STEM

A Splendid Sort For General Use

RED CABBAGES

MAMMOTH ROCK RED—The best large Red Cabbage. A sure header of good red color to the center. Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.

ZENITH—A very fine medium early sort. Not large, good quality and fine color. (New.) Pkt. 10c, ½ oz. 20c, oz. 30c, 2 oz. 55c, ¼ lb. 85c, lb. $3.00.

VAUGHAN'S BLACK DIAMOND—A new second season black red variety. Head medium large, very firm, leaf rib thin and small; few outer leaves. Pkt. 10c, ½ oz. 20c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

EARLY DARK RED ERFURT, DARK RED DUTCH, RED DRUMHEAD } **Pkt., 5c; ½ oz., 12c; oz., 20c; ¼ lb., 50c; Pound, $2.00.**

SAVOY CABBAGES

IRON HEAD SAVOY—Best of the early sorts. Round head, large and solid. Quality excellent. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.60.

MARVIN'S SAVOY—A large solid head, very early. An almost sure header and the most popular of this class. Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 65c, lb. $2.25.

EARLY ULM SAVOY—A very early sort. Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.85.

ALL HEAD SAVOY—Conical head, fine quality. Early and solid. Pkt. 5c, ½ oz. 15c, oz. 25c.

IMPROVED AMERICAN—Standard main crop sort. Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.

CARROTS

For home use and early bunching—Chantenay, Nantes and Ox Heart are best. For general crop, plant Vaughan's Select Danvers; for forcing—use Vaughan's Chicago Forcing or Early Scarlet Forcing.

For stock Carrots—Mastodon, White and Orange Belgian, see page 142.

EARLY CHANTENAY.

EARLY CHANTENAY

The Elegant Bunching Carrot.

An early main crop that appeals to market gardeners; about 6 inches long, stump rooted, very smooth, deep red, fine grained, sweet and sugary, not apt to crack open while growing; fine for table, splendid cropper. Vaughan's seed is carefully selected. **Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, postpaid. By express, 5 lbs. $3.50.**

VERY EARLY SCARLET FORCING—(French Horn). Best variety for **earliest forcing.** Reddish Orange colored roots, nearly round. When matured they are about two inches in diameter. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.10.**

EARLY SHORT SCARLET—(Dutch Horn). Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fine grained, sweet flavored, color deep rich orange, and fine for bunching. **Pkt. 5c, oz. 20c, ¼ lb. 35c, lb. $1.10.**

NANTES HALF LONG, EARLY—For extra **sweetness,** this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core. **Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.**

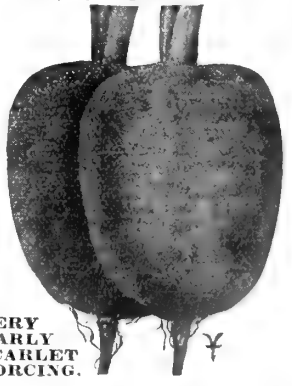
HALF LONG DANVERS—This is the stock usually bought by Seedsmen. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c; by express, 1 lb. 65c, 5 lbs. $3.00.**

IMPROVED LONG ORANGE.

A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c; by express, 5 lbs. $3.00.**

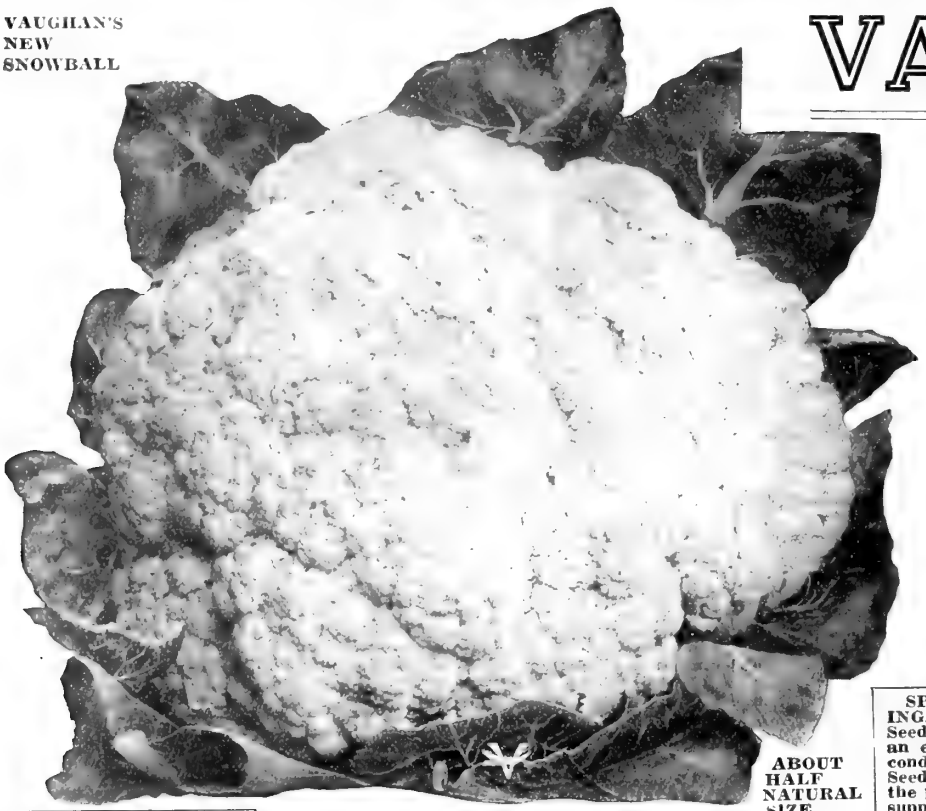
CARROTS FOR STOCK—The Mastodon, Long White Belgian and Orange Belgian, etc., see next page.

1 lb. Carrot Seed, Vaughan's Long Orange, for **75c,** will sow one-half acre, sufficient to produce, on good soil, 12 tons of carrots equal, in feeding value for horses or cattle, to 150 bushels of oats.



VERY EARLY SCARLET FORCING.

VAUGHAN'S NEW SNOWBALL



ABOUT HALF NATURAL SIZE

VAUGHAN'S

VAUGHAN'S NEW SNOWBALL

An exceptional strain of Cauliflower for early out-door planting and forcing. This type is more generally planted and gives more universal satisfaction than any other sort. In size, compactness and color it is ideal for market. A well grown head will measure nine or ten inches across and have depth in proportion, very solid with a perfectly white core. The plants are dwarf—develop heads earlier than any other sort of like size. The dwarf, compact shape also uses a minimum amount of valuable space in forcing. Used with the utmost success for wintering over for the early spring crop; for forcing during the winter and spring; for early spring out-door planting, and besides, is planted extensively for the late summer and fall market. During the many years we have sold this splendid variety to hundreds of critical market gardeners, it has given uniformly the best results. **Pkt., 25c; ¼ oz., 75c; ½ oz., $1.40; oz., $2.50; ¼ lb., $9.00; lb., $32.00.**

SPECIAL ERFURT GROWN. VERY DWARF FORCING. The fame of Erfurt German Grown Cauliflower Seed is world wide. For first forcing it has never had an equal, but in recent years, on account of climatic conditions, there has never been enough true Erfurt Seed to supply its own local demand. Our President the past summer, when visiting Erfurt, secured a small supply from Erfurt's most famous grower. Pkt., 50c; ¼ oz., $1.75; ½ oz., $3.00; oz., $5.00.

EARLIEST DWARF ERFURT. The former standard of early cauliflowers before the advent of New Snowball. It is quite similar in all respects, but a few days later in season. Many of our customers, who are large Cauliflower growers, plant both this and Snowball, as the two varieties run in together nicely. **Pkt., 25c; ¼ oz., 50c; ½ oz., 90c; oz., $1.75; 2 oz., $3.50; ¼ lb., $7.00; lb., $26.00.**

SEED RECLEANED WITH SPECIAL CARE.

We maintain the highest standard of germination possible in this seed, by painstaking care in recleaning and resifting it. This gives us well matured, plump seed; by means of the care we take with this strain, its germinating power is raised 25 to 30 per cent.

DANISH SNOWBALL

A little later than Vaughan's New Snowball, but a grand second early. This splendid variety is grown with painstaking care and is thoroughly reliable. We have many satisfied market growing customers who purchase this sort year after year. Although it is not so early, nor run as even as Vaughan's New Snowball, at the price we firmly believe it is the best early cauliflower on the market.

Pkt., 10c; 3 pkts. for 25c; ½ oz., 85c; oz., $1.50; 2 oz., $2.75; ¼ lb., $5.00; lb., $20.00.

New Celery, Chicago Giant Self-Blanching. A Grand New White. See Novelty Page 2.

VAUGHAN'S

GOLDEN SELF-BLANCHING VAUGHAN'S SELECTED STOCK

The most popular leading sort everywhere; it excels others of the yellow varieties, developing dwarfer, much larger bunches, with broad heavy stalks, which blanch into a rich, appetizing, golden yellow.

While the stalks are broader and heavier than the white varieties, the quality is very superior. The very handsome color of the crisp, tender stalks, their freedom from stringiness, and excellent flavor, make this the market favorite. Our selected stock is grown for us in France by the introducers. This is the strain used by large planters. Our regular strain grown in this country by careful, experienced growers, from our selected stock, will satisfy the most critical users. **Vaughan's Golden Self-Blanching is the best. Vaughan's Select Stock: Pkt., 15c; oz., $1.40; ¼ lb., $4.50; lb., $16.00.**

American grown: Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., $1.75; lb., $6.50.

VAUGHAN'S CELERY MANUAL. By a practical grower, of 20 years' experience, revised and published by J. C. Vaughan. **Price, postpaid, 25c.** Will be sent free, with a Celery Seed order of $2.00, or with any general order for other seeds, amounting to $3.00, if requested.

GOLDEN SELF-BLANCHING

GIANT GOLDEN HEART

For winter storage "Giant Golden Heart" is the best celery you can buy. This strain has enjoyed an extensive and substantial popularity ever since we introduced it, and that popularity is due entirely to the exceptional merit it possesses. It is not only the best keeper, but **it is large, solid and sweet as a walnut and of a beautiful golden color.** It is a selection of the "Dwarf Golden Heart," grows much larger than the parent and otherwise possesses all its other excellent qualities. **Prices: Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 60c; lb., $2.25.**

Oconomowoc, Wis.

The White Plume Celery which I received from you last year was the finest I have grown here in 17 years. I started cutting in August and used the last of 2,000 stalks during the Xmas holidays. Not one went into seed. Yours truly,

OTTO SPEIDEL.

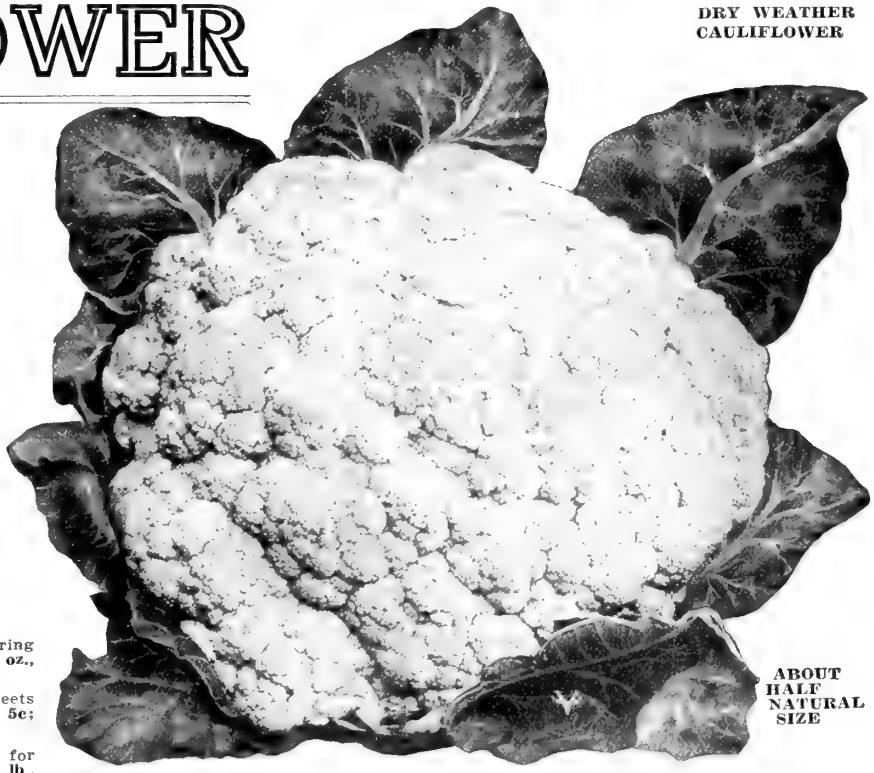
WINTER QUEEN

A winter and spring variety with exceptional merit. **Has double the amount of heart of any known celery.** The plant is beautiful in appearance, of close habit and compact growth; blanches to a beautiful cream white. Ribs perfectly solid, crisp, and of a delicious nutty flavor. This variety is a most valuable one for winter and spring, excelling the celebrated "Perfection Heartwell" as a **late winter keeper.** It is also much thicker, stouter and heavier. It is worthy of first place as a late celery, as it will keep longer than any other variety. Grow "Winter Queen" once and you will always grow it; it is a favorite and a money maker. Prices: **Pkt., 10c; ½ oz., 15c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., $2.25.**

GIANT PASCAL

The stalks are **very large and solid,** crisp and of **rich** nutty flavor. **It bleaches very easily and quickly.** The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from the "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of **keeping quality.** For Fall and Winter use this. It is certainly one of the best varieties owing to its splendid keeping qualities and marketableness. Prices: **Pkt., 5c; ½ oz., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.60.**

CAULIFLOWER



DRY WEATHER CAULIFLOWER

ABOUT HALF NATURAL SIZE

DRY WEATHER CAULIFLOWER

Has been produced to remove as far as possible the chances of a crop failure when weather conditions are unfavorable to the more delicately bred varieties. Where warm weather prevails with little or no cold weather, this sort is very desirable; it is a very sure header, and second early, heads larger than "Snowball," and snow white. A part of any large acreage should be planted to this. Our seed is the best, procured from the originator and grower in Denmark. **Pkt., 20c; ¼ oz., 75c; ½ oz., $1.40; oz., $2.50; ¼ lb., $8.50.**

EARLIEST OF ALL

A Danish forcing strain of Snowball; slightly smaller and a week to ten days earlier than the standard Snowball. It has very short leaves and has been bred especially for first forcing under glass and in frames. Very sure heading—Pedigreed Danish Seed. **Pkt., 25c, 3 for 60c; ¼ oz., 75c; ½ oz., $1.50.**

LARGE LATE ALGIERS. A vigorous late maturing variety for late fall use. Large heads. **Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., $1.75.**

AUTUMN GIANT. In southern localities this meets with favor as a large heading late fall sort. **Pkt., 5c; ½ oz., 20c; oz., 35c; ¼ lb., $1.10; lb., $4.00.**

EXTRA EARLY PARIS. Very dwarf and early, for summer planting. **Pkt., 5c; ½ oz. 25c; oz., 50c; ¼ lb., $1.50; lb., $6.00.**

HALF EARLY PARIS. Slightly larger and later than above. **Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., $1.50; lb., $6.00.**

LENORMAND'S SHORT STEM. Rears large white head, on short stems. **Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., $1.85.**

EXTRA EARLY OR SECOND ERFURT. A very fine strain, producing large, white, firm heads; close and of excellent quality. Dwarf, early and always certain to head, early or late. Later and larger than Earliest Erfurt. **Pkt., 10c; ¼ oz., 50c; ½ oz., 85c; oz., $1.50; ¼ lb., $5.00.**

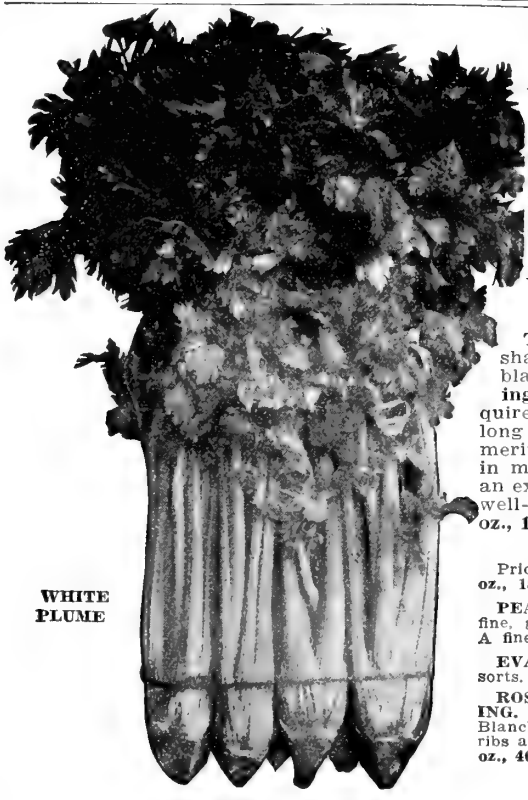
LARGE EARLY ERFURT. This is a vigorous growing, hardy variety, with large, white, firm heads. It is the very best sort for late spring use. **Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.50.**

"CABBAGES AND CAULIFLOWERS," a valuable treatise on growing of these two articles, by J. J. H. Gregory. Sent postpaid for 30c.

Cauliflower is a vegetable that grows to perfection in few localities. Ideal Cauliflower seed of earlier types is produced only in Northern Europe. For nearly 20 years our stocks of this seed have been grown for us in Denmark. Conditions there are perfect.

CELERY

For Cauliflower and Other Vegetable Plants, See Page 56.



WHITE PLUME

WHITE PLUME

This variety is most widely known and highly valued by market gardeners throughout the northern country. It is the recognized **best** of the **white varieties.** The causes for the great popularity of **White Plume,** among consumers and gardeners, are fine flavor and general excellence of quality. This strain is remarkable for vigor, size and appearance. Its habit of growth is **vigorous,** uniformly **white,** stalks that are large, crisp, tender and fine. We do not recommend it as a **keeper,** but a **seasonable money maker** of the **first class.** For fall and early winter it has the endorsement of a very wide range of practical and very critical market gardeners. **Vaughan's Selected Stock. Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; lb., $2.10, postpaid. Regular stock: Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.50.**

DWARF GOLDEN HEART

The heart is large, surrounded by shapely solid stalks. The heart blanches a **beautiful yellow, after storing;** it is so shapely and solid it requires little trimming for market; it is a long keeping Golden Dwarf of established merit, and has attained great popularity in many celery-growing centers, to such an extent that it has replaced many other well-known sorts. **Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 45c; lb., $1.60.**

STANDARD SORTS

Prices of these kinds: **Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 45c; 1 lb., $1.60, postpaid.**

PEARLE LE GRAND. A popular, extra large, fine, green celery for both early and late use. A fine winter keeper.

EVANS' TRIUMPH. One of the best late sorts. Excellent quality and good keeper.

ROSE RIBBED GOLDEN SELF-BLANCHING. (Golden Rose.) A sort of Golden Self-Blanching possessing all its good qualities. The ribs assume a deep, warm, rosy hue. **Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.50.**

PERFECTION HEARTWELL. Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

SCHUMACHER. Immense size; solid; crisp; firm golden-yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

FAR SUPERIOR "MANY HEART." Late; very large and fine; popular in Philadelphia.

BOSTON MARKET. White and solid; very dwarf; crisp and tender.

CRAWFORD'S OR HENDERSON'S HALF DWARF. Solid yellowish-white; nutty flavor.

GIANT WHITE SOLID. Of tall, large size; very solid; pure white.

NEW ROSE. The best of red celery, solid, crisp and ornamental.

KALAMAZOO. Half-dwarf; white and solid.

PINK PLUME. Similar to White Plume. Stalks are tinged with pink.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.10.

SOUP OR FLAVORING CELERY. (Old Seed.) Used for flavoring soups, stews, etc. **Oz., 5c; ¼ lb., 20c; lb., 50c.**

SOUP CELERY OR SMALLAGE. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50.**

CELERIAC OR TURNIP ROOTED CELERY. See Page 28.

VAUGHAN'S RARER

Brussels Sprouts. Paris Market

BRUSSELS SPROUTS. Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

IMPORTED DANISH—Hardy and a heavy yielder. A fine variety originated and grown in Denmark. **Pkt. 10c, ½ oz. 20c, oz. 35c.**

PARIS MARKET—Half dwarf, excellent yielder. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.40.**

IMPROVED DWARF—Dwarf habit and less liable to aphis than others. **Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in Northern latitudes, where Cauliflower does not do well.

Large White Mammoth—Good white heads. **Pkt. 10c, ½ oz. 20c, oz. 35c.**

Purple Cape—This has purplish heads and resembles the Algiers Cauliflower in habit of growth. **Pkt. 10c, ½ oz. 20c, oz. 35c.**

LEEK

LARGE MUSSELBURG. Enormous leaves, broad, mild and pleasant flavor. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.40.**

BULGARIAN WINTER. One of the most desirable Leeks, extremely hardy, of enormous size and tender up to a height of 15 inches. **Pkt. 10c, ½ oz. 15c, oz. 25c. ¼ oz. 60c.**

BROAD SCOTCH or LONDON FLAG. Hardy; a broad, strong plant, with broad leaves. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.40.**

ROUEN, VERY LARGE WINTER. Large—excellent—best of all. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.40.**

LONG MEZIERLS. One of the very best. Broad, vigorous, erect leaves; long good sized stem, snow white; fine flavor; very hardy. Unsurpassed for market garden. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.40.**

LARGE MUSSELBURG LEEK

GERMAN CELERIAC, Turnip Rooted Celery

A popular German vegetable, used in salads, or boiled like Parsnips or Turnips. Very pleasant to those who like the flavor of celery, which it has. The roots keep well all winter. Celeriac deserves a much wider cultivation. Recipes for table use enclosed with seed.

NEW CELERIAC "DELICATESS." Perfectly smooth oval roots; no side-roots; never rusts. Flesh is pure white, tender; general qualities excellent. This size does very well on light soils. **Pkt. 10c, 2 Pkts. 15c, oz. 35c.**

CELERIAC, Giant Prague

CARDOON. Main stalks are blanched like Celery, used for salad or in soups. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

CHERVIL. (Koerbel; Cerfeuil.) Similar to Parsley, handsome for garnishing. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

COLLARDS. A variety of cabbage used in Southern states. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

CORN SALAD

CORN SALAD. (Mache-Stick Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

GARDEN CRESS

CRESS OR PEPPER GRASS. (Garten Kresse; Cresson Allenois.)

CURLED GARDEN. Used with Lettuce, it adds an agreeable pungency. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.**

UPLAND CRESS. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad in spring. **Pkt. 5c, ½ oz. 15c, oz. 25c.**

WATER CRESS. (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water, it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. **Pkt. 10c, 3 for 25c, oz. 30c.**

DANDELION. (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens are fast gaining flavor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size. **Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. $1.25, lb. $4.50.**

Chicory, Witloof

EARLIEST OF ALL. Ready in June, pure white flesh, very tender. **Pkt. 10c, ½ oz. 25c, oz. 40c.**

GIANT PRAGUE. The great main crop variety; the most popular with American growers. Roots are very large, almost twice the size of Erfurt; nearly globe-shaped, smooth, with only a few roots at bottom; flavor and other qualities excellent. Common kinds of Celeriac are often small, crooked and covered with a mass of useless, unsightly roots. Giant Prague excels in appearance, size and quality. A general favorite. **Pkt. 5c, ½ oz. 15c, 1 oz. 25c, ¼ lb. 70c, 1 lb. $2.60.**

LARGE ERFURT. Standard. **Pkt. 5c, oz. 25c, ¼ lb. 70c, lb. $2.60.**

CHICORY, WITLOOF—FRENCH ENDIVE. A European delicacy now standard in the best hotels and restaurants, for salad. It is easily grown. Plant seed in spring; Parsnip-like roots are produced; store them in sand until wanted for growing on in winter. Full directions on each package. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

CHICORY, LARGE ROOTED MAGDEBURG. Roots are cut in thick, slices, roasted and used for coffee. In Spring leaves make good salad. **Pkt. 5c, oz. 15c, ¼ lb. 50c.**

KOHLRABI

SOW SEED JUNE OR JULY, 18-IN. APART, THIN TO 12 INCHES.

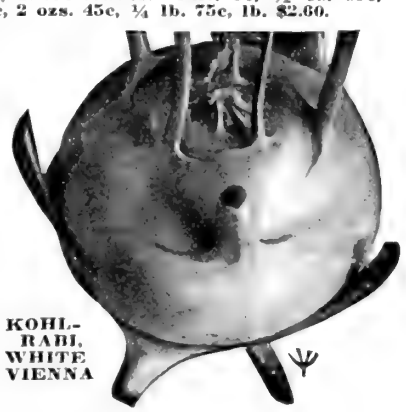
Bulbs grow above ground, are stripped and cooked like Turnips, than which they are much sweeter and have finer flavor.

KING OF THE EARLIES. An extra choice strain of White Kohlrabi, very quick growth. Short leaves, very tender and fine flavor. Directions for raising and cooking with each package. **Pkt. 10c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $3.00.**

EARLY WHITE VIENNA. White and tender. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

EARLY PURPLE VIENNA. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

SHORT TOP EARLY ERFURT. For forcing in open ground. White flesh, very tender, short leaves. **Pkt. 5c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $2.60.**



KOHLRABI, WHITE VIENNA

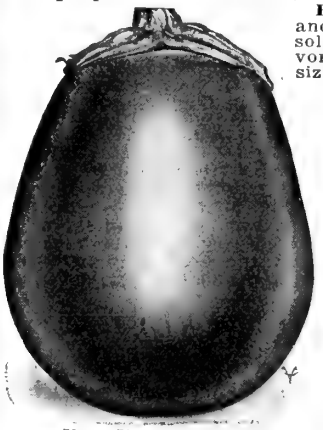
VEGETABLES

We put our name on strains of seed we control. We monopolize them because they have extraordinary merit. Pick out those special strains in ordering and you will be repaid.

EGG PLANT

VAUGHAN'S IMPROVED NEW YORK

Large purple Egg Plant "New York" is the **standard** variety of this vegetable, Vaughan's Improved New York is the highest type of this standard—entirely spineless. Low growing plants, stalky and branching, bears early and almost continuously. Fruits are large, satiny smooth and a rich purple color. **Pkt. 10c, oz. 30c, ¼ lb. $1.00, lb. $3.50.**

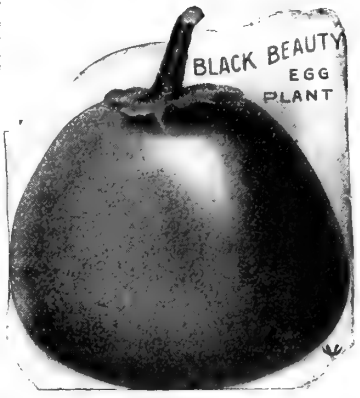


New York Improved

BLACK PEKIN. Fruit is round and almost black. Flesh white, solid, fine grain and delicious flavor. Early and good marketable size. **Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. $3.00.**

VERY EARLY DWARF PURPLE. Extremely early, resembles New York Improved in shape and color, but is smaller and earlier. **Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.75.**

BLACK BEAUTY. 10 to 12 days earlier than New York, it also is spineless; fruits are very attractive in form, which is broad and thick. Beautiful luster and rich purple color gives handsomeness and attraction to this variety, for northern home gardens and truckers it is most desirable. **Pkt. 10c, oz. 35c, ¼ lb. $1.25.**



BLACK BEAUTY—An Early variety, suited for northern planting.

GARLIC—Selected Bavarian

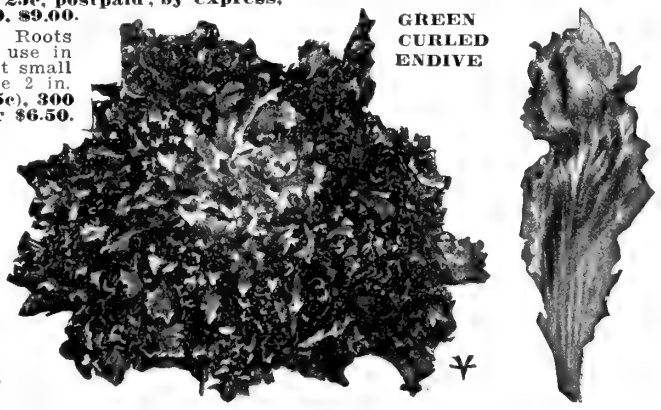
KNOBLAUCH—All. This is a particularly fine strain Garlic. It is larger and more even than ordinary Garlic, keeps longer and is snowy white. **Lb. 55c, 3 lbs. $1.00, 5 lbs. $1.50, 10 lbs. $2.80.** If by mail, add 10c per lb. for postage. **☞ ORDINARY GARLIC —Write for prices.**

HORSE RADISH SETS

NEW BOHEMIAN HORSE RADISH OR MALINER KREN. An introduction of the U. S. Department of Agriculture. A much earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. **Sets of Roots, doz. 25c, postpaid; by express, 50 for 65c. 100 for $1.25, per 1000, $9.00.**

ORDINARY HORSE RADISH. Roots will produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 in. under soil. **100 for 75c, (by mail 85c), 300 for $2.00, 500 for $3.50, 1,000 for $6.50.**

VAUGHAN'S VEGETABLE COOK BOOK.
Tells how to cook and use rarer Vegetables. Price, heavy paper cover, **25c;** or free to every customer who buys garden seed to the amount of $2.00 and upwards and asks for same.



GREEN CURLED ENDIVE

ENDIVE

ENDIVE SALAT—CHICORY ENDIVE. A delightful autumn and winter salad. Sow seed from middle of June to the end of August.
GREEN CURLED SUMMER. Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**
GREEN CURLED WINTER. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.
STAGHORN, best for early. It does not go to seed if planted in hot-bed, then transplanted outdoors. This is a great advantage for early growth and brings it into the first early market where it is "A money maker." **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**
GIANT FRINGED OR OYSTER. Most beautiful snow white heart, fine delicate green fringe. **Pkt. 5c, oz. 10c, ¼ lb. 40c, lb. $1.40.**
MOSS CURLED. Fine sort. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**
EVER WHITE CURLED. Very crisp. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.25.**
BROAD LEAVED. Slightly Curled. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

KALE OR BORECOLE

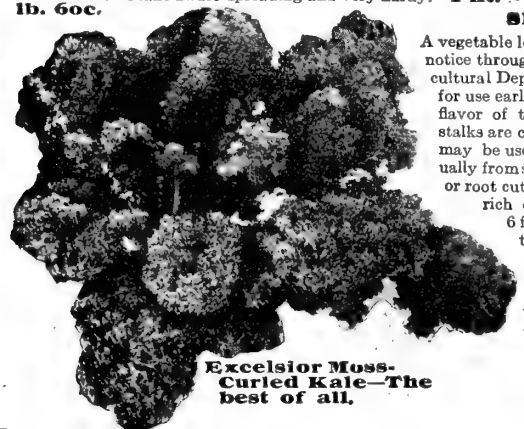
Greens for early fall, winter and spring, Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Much used by German-Americans.

DWARF GREEN CURLED KALE. Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. By far the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. **Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. $1.50.**

TALL GREEN FINE CURLED. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.

SIBERIAN. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf spreading and very hardy. **Pkt. 5c. oz. 10c. ¼ lb. 20c, lb. 60c.**



Excelsior Moss-Curled Kale—The best of all.

SEA KALE

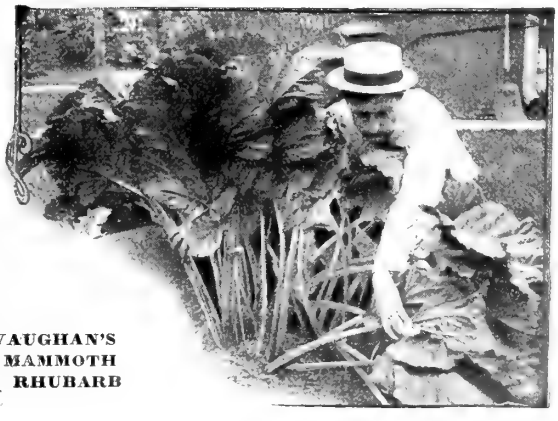
A vegetable long known but until brought into notice through recommendations of U. S. Agricultural Department, suffered neglect. Ready for use earlier than Asparagus and combines flavor of that and Celery. Its blanched stalks are cooked like Asparagus or the leaves may be used as greens. Sea Kale comes usually from seed, but can be grown from off-sets or root cuttings. The long tap root requires rich deep soil. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year though some reports give earlier results; as soon as shoots show above the ground, blanch with earth, boards, sand, etc., until ready for use. **Pkt. 10c. oz. 20c, ¼ lb. 65c.**

RHUBARB

Vaughan's Mammoth. Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring food possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it. **Seed Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00, postpaid.**

Chicago Giant. This Rhubarb dwarf, bred for **large stalks and small leaves.** We have grown this for a number of years, and consider it the finest variety we have seen. **Pkt. 25c, 3 for 65c.**

Rhubarb Roots. See also page 56 for named sorts. Seedlings, **1 year, selected. Each, 15c; 3 for 40c; doz. $1.25, 100, $7.50.** (Weight ¼ lb. each). Larger roots **25c, 35c, 50c** and **75c,** according to size.



VAUGHAN'S MAMMOTH RHUBARB

FAMOUS EARLIES

VAUGHAN'S

WIDE RANGE, FINEST TYPES, TRUE SEED

MAMMOTH WHITE CORY

The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—**Earliness, Size, Sweetness.** Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. Early as the earliest corn. The ears are as long with two to four more rows of kernels set close, so there is no loss of space in the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms in Central Michigan. No more careful selection can be practised than we use, and ears are dried in crates to insure high germination. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 75c; pk., $1.35; bu., $5.00.**

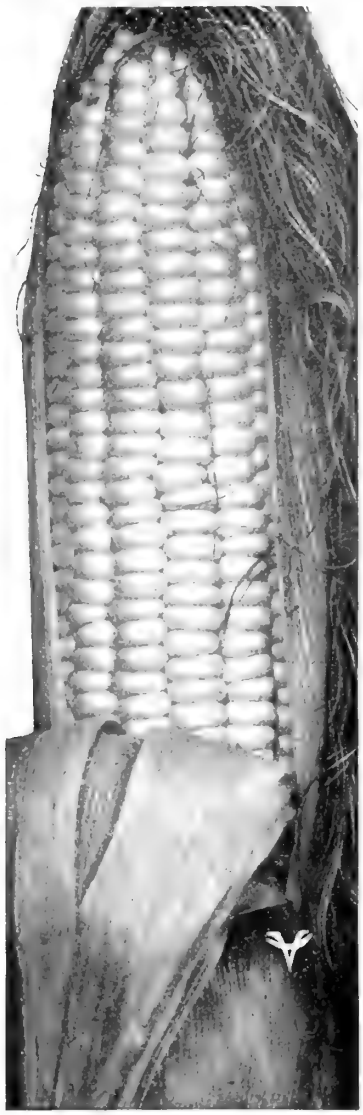
GOLDEN BANTAM

VAUGHAN'S SPECIAL

A delicious early sweet corn of superlative merit. The planting of a small patch of Golden Bantam and the resulting joy and delight of eating it fresh from the garden, when sweet corn is always at its best, has made more enthusiastic and satisfied amateur horticulturalists than acres of successful gardens filled with other vegetables. A brief description for the uninitiated, if there still be such—Golden Bantam is an extra early yellow sort about a week later in season than Cory or the first earlies. The ears are borne two to a stalk and are about six inches in length with eight rows of kernels on a cob. The golden kernels are lightly covered with a glossy skin, seemingly ready to burst. The rich sweetness is to be remembered—try it. Stalks medium high and with heavy foliage. Our seed is our own growing and the best we have been able to find. **Pkt., 10c; pint (about 10 ozs.), 20c; quart (about 20 ozs.), 30c; ½ pk., 80c; pk., $1.50; bu., $5.75.**

VAUGHAN'S BANTAM EVERGREEN

EVEN SWEETER THAN THE "FAMOUS GOLDEN BANTAM." It is a cross between Stowell's Evergreen and Golden Bantam and a most successful one from all standpoints. For example—some critics regard Golden Bantam as "just a bit" too small and Stowell's Evergreen too large. To such "Bantam Evergreen" divides the difference and exactly fills the bill and besides at last affords the market gardener a "Bantam" of marketable size.



MAMMOTH WHITE CORY

Parcel Post Rates on page 58.

MALAKOFF. One of the earliest real sweet corns, a week earlier than "Mammoth White Cory." **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; 2 qts., 50c; ½ pk., 85c; pk., $1.50; bu., $5.75.**

EARLY IOWA. A fine sweet corn. A week earlier than "Mammoth White Cory," ears and stalks between the sizes of Mammoth White Cory and Malakoff. **Pkt., 10c; pint (about 10 ozs.), 20c; quart (about 20 ozs.), 30c; 2 qts., 50c; ½ pk., 80c; pk., $1.50; bu., $5.50.**

PEEP O'DAY. Similar to Malakoff, it is one of the earliest. Stalks about 3½ feet high bear usually two ears each, kernels white. We grow our seed in the north to insure earliness. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; ½ pk., 75c; pk., $1.35; bu., $5.00.**

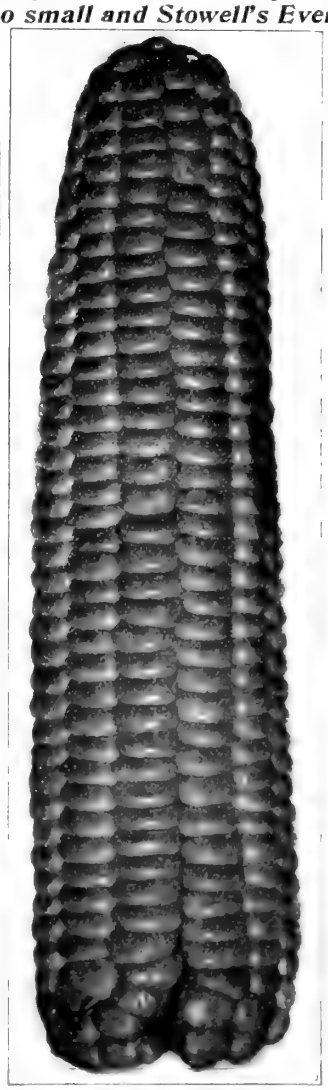
PREMO. Early, fine sweet corn, medium high stalks, ears have 8 rows of good quality corn, quite hardy, may be planted early. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.**

EARLY MINNESOTA. A favorite early, a few days later than Mammoth White Cory, ears have 8 to 10 rows of large white grains. Very productive. **Pkt., 10c; pint (about 10 ozs., 15c; quart (about 20 ozs)., 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.**

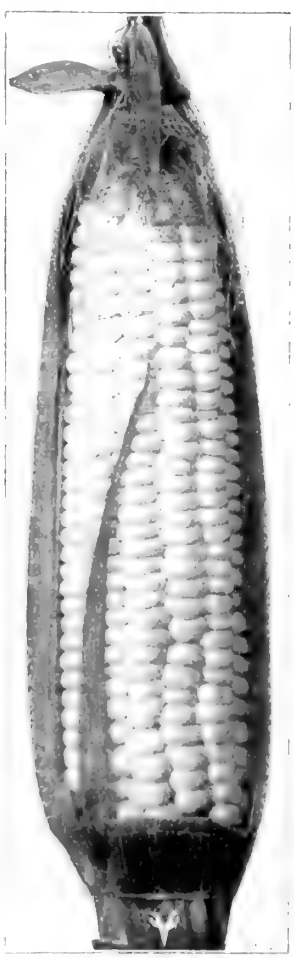
METROPOLITAN. Popular in eastern states, season between Minnesota and Champion. Kernels have 10 to 12 rows, large and very sweet. Germinates well in cold soil, ready for use between 1st and 2nd earlies. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 75c; pk., $1.35; bu., $5.00.**

	Pkt.	Pt.	Qt.	Pk.	Bu.
Early Cory, true type, red cob, good size	10c	15c	25c	$1.35	$5.00
Adam's Early	10c	15c	25c	1.00	3.50
Adam's Extra Early	10c	15c	25c	1.00	3.50

By mail add postage, 10 ozs. per pt., 20 ozs. per qt.



GOLDEN BANTAM



EARLY CHAMPION

EARLY CHAMPION. Is a second early which ranks high in popular favor, it is one of the earliest large sweet corns, in season two weeks later than "Mammoth White Cory," the ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The cobs are medium size, quite handsome in appearance and are often borne three on a stalk. Planted by many gardeners in some localities for both early and late. Our stock is very uniform and well bred. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.**

EARLY CROSBY. A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14 rowed, grains square, very white, sweet and tender. The much prized Maine canned corn is grown from this variety. **Pkt., 10c; pint (about 10 oz.), 15c; quart (about 20 ozs.), 25c; pk., $1.25; bu., $4.50.**

LATE MAMMOTH. Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender. Most popular New York market variety. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; pk., $1.35; bu., $5.00.**

SWEET CORN

MAIN CROP

EACH GROWN UNDER ITS OWN IDEAL CONDITIONS

STOWELL'S EVERGREEN

This is the **grand,** standard **main crop** variety of sweet corn. The strong vigorous stalks grow 7 to 8 feet high and produce ears 8 inches long which have 16 or more rows of the finest sugary grains. The reputation of this variety for productiveness is well and long established, and the fine rich flavor and sweetness of the deep set, tender, white grains have made it the great and popular favorite it is. For market, home or canning it is always an immense success. Many years specializing with this **great sweet corn** enables us to say with the assurance of truth that, our **stock** is the **best** you can **buy.** New England grown seed develops a larger percentage of sugar than seed grown in other sections of the United States. We quote prices for New England **grown** seed and seed **grown** in the central states.

Stowell's Evergreen (Eastern Connecticut grown). Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; ½ pk., 75c; pk., $1.35; bu., $5.00.

Stowell's Evergreen (Western grown Eastern Stock Seed). Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.

COUNTRY GENTLEMAN

Is a **late main crop** variety, which should find a place with every grower for home or market. It is called the **sweetest** corn. The ears, which are 7 to 9 inches long are borne on stalks 6 to 7 feet high. Unlike other sorts the grains are small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet, this corn gives the greatest satisfaction to those who eat it. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; ½ pk., 75c; pk., $1.35; bu., $5.00.**

THE BEST SUGAR CORN. See Illustration Page 3

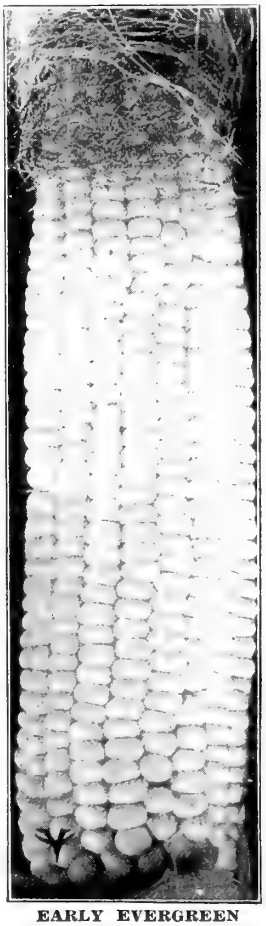
BRED AND GROWN IN THE HOME OF SUGAR CORN, and there in conservative New England pronounced by all who have tried it, as the sweetest corn they ever ate. The kernels are plump and full, with exceedingly tender skin, surpassing both parents in this latter respect. Like all crosses, it takes many years to breed a uniform stock. This sort now runs 80 per cent true. Pkt., 10c; pt. (about 10 oz.), 25c; qt. (about 20 oz.), 45c; ½ pk., $1.40; pk., $2.75.

EARLY EVERGREEN.

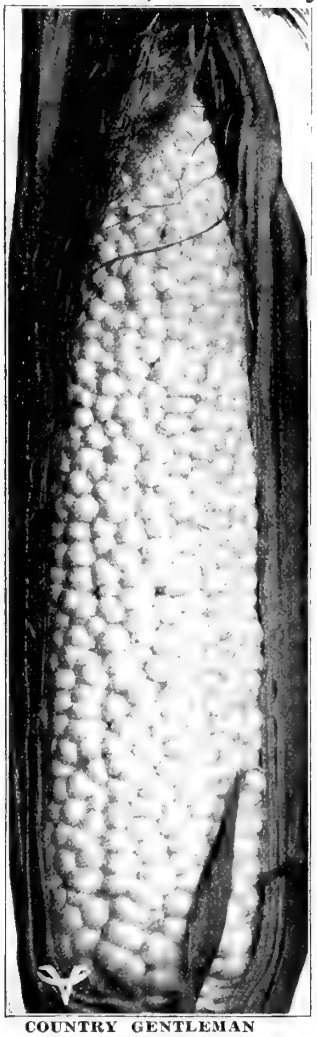
Very large ears are characteristic of this sort, it is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a more sure cropper than Stowell's Evergreen, of which this is a smaller sort. Reliable seed of this well known variety is at your command in Vaughan's Seed Store. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.**

IMPORTANT NOTE

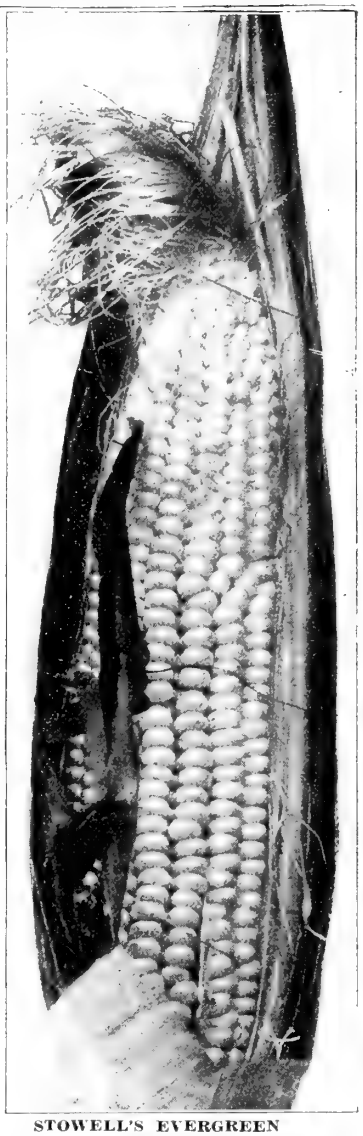
Field and Sweet Corn Breeders are now convinced that better quality corn, higher yields, and earlier maturity are to be expected where carefully bred local seed is used, than from stock brought from a distance. This explains many controversies regarding earbest corn varieties—where each planter using his own seed had earlier corn than any he could buy. Our New York Store sells New England seed of nearly all early varieties, and our Chicago house uses Michigan, Minnesota and Ohio seeds of the same types.



EARLY EVERGREEN



COUNTRY GENTLEMAN



STOWELL'S EVERGREEN

BLACK MEXICAN. Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rowed; ears about 8 inches long; kernels bluish purple to black and rather flat. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.**

VAUGHAN'S BLACK SUGAR. This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; ½ pk., 75c; pk., $1.35; bu., $5.00.**

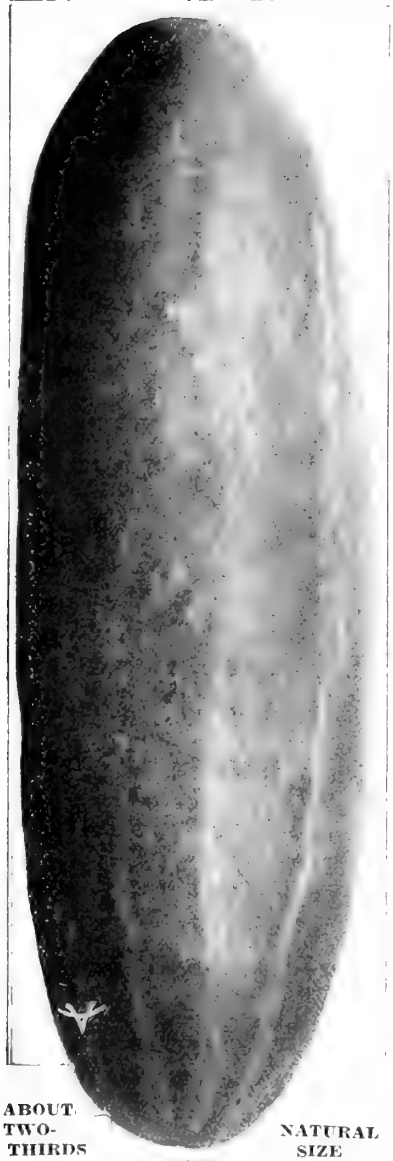
Pkt., any of the following, 10c. If by mail add postage for 10 ozs. per pint, 20 ozs. per quart.

	Pt.	Qt.	½ Pk.	Pk.	Bu.
Kendall's Early Giant	15c	25c	70c	$1.25	$4.50
Early Mammoth	15c	25c	70c	1.25	4.50
Moore's Early Concord	15c	25c	70c	1.25	4.50
Old Colony	15c	25c	70c	1.25	4.50
Hickox	15c	25c	70c	1.25	4.50
White Evergreen	15c	30c	75c	1.35	5.00
Late Mammoth	15c	30c	75c	1.35	5.00
Perry's Hybrid	15c	25c	70c	1.25	4.50

Sweet Corn for Succession. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season: Mammoth White Cory, Early Champion, Stowell's Evergreen. Special offer: **1 pkt. each (3 varieties), 25c; pint, each (about 30 ozs.), 35c; quart, each (about 5 lbs.), 75c.**

VAUGHAN'S

Cucumbers for slicing are generally of the white spine type. For general home garden use, Vaughan's Arlington White Spine in a medium sized variety and Davis Perfect in a long sort will be found very satisfactory.



ABOUT TWO-THIRDS NATURAL SIZE

ABOUT HALF NATURAL SIZE

STANDARD VARIETIES

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

Is a beautiful, symmetrical, straight type cucumber, 7 to 10 inches long; throughout its entire length, the skin is an attractive glossy dark green. It is **early**, a heavy yielder, **tender, firm** with **delicious** flavor, these qualities have made it a favorite. In the southern country it is planted almost universally. **Vaughan's Strain of Arlington White Spine is their Standard**, for both home and market garden. For northern **markets** it may be a trifle small, but for the **home garden** Vaughan's "Improved Arlington White Spine" is ideal and immensely popular. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

VAUGHAN'S BOSTON FORCING WHITE SPINE

This is the "top notch" in **forcing** cucumbers, as **a** producer it is 25 per cent better than other forcing varieties, and that it is superior in **quality**, is proved by the **higher price** it commands in New York, Philadelphia and other cities, along side of other forcing sorts. The fruits are very even and smooth, slender, with dark green skin, with whitish markings more blended than is usual. The vines are remarkably prolific and for hot-bed or green-house, and outdoor planting in southern localities, our strain of this variety is superior and profitable for growers. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

ODD CUCUMBERS

Japanese Climbing. Grows quickly on poles or trellis, takes up little room in the garden. Fruits are good size, fine flavor, especially good for slicing and salads; does best in dry warm summers. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

Lemon Cucumber. Not the same as the Garden Lemon (see page 37), though similar in appearance, it is a real, luscious flavored cucumber, a worthy addition to the list. **Pkt., 5c; oz., 25c.**

Serpent or Snake. A curious, usually much twisted cucumber. **Pkt., 5c; oz., 20c.**

VAUGHAN'S ARLINGTON WHITE SPINE

CYCLONE. 3 to 4 inches long, earliest of the white spines, prolific. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

IMPROVED WHITE SPINE. Medium size, straight, always fine yielder; light green. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

EMERALD. Smooth almost spineless, color dark green which it retains well, fine slicing quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

VAUGHAN'S BOSTON FORCING WHITE SPINE

NICHOLS MEDIUM GREEN. Old popular early sort, medium size, straight, smooth, dark green, crisp, good-flavor, for pickling and slicing; prolific vines. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

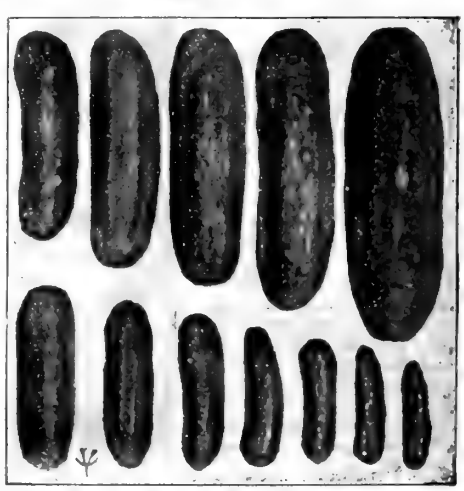
COOL AND CRISP. Fine for slicing. Early, prolific; and covered with knobs, and black spines, on dark green skin—make handsome pickles. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

PICKLING

WESTERFIELD'S CHICAGO PICKLE

One of the greatest successes in pickle seed development to date. It meets the most exacting requirements of the manufacturers of the finest kind and highest priced pickles. The maintenance of this high standard through all the years since we introduced it, is a matter of great pride with us and we never fail to give it the most scrutinizing and careful attention.

Many of the leading growers of the country are supplied by us with finely selected seed. Manufacturers willingly pay high prices for this variety because of its well known excellence for pickling purposes. When ripe the fruit is of medium size, pointed at both ends, with large prominent black spines, as pickles they are just the right shape and size. Vines set fruit when young and continue bearing longer than any other variety. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**



SNOW'S FANCY PICKLING

VAUGHAN'S SPECIAL

This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

VAUGHAN'S XXX PICKLING. Fruits protrude from under the vine, making picking comparatively easy. **Pkt., 10c; oz., 20c; ¼ lb., 30c; lb., $1.00.**

CUCUMBERS

We supply the most critical trade with our special pickle strains. Many of the largest Picklers look to us for their entire seed supply. True to type and vigorous.

SUITED TO ALL LOCALITIES

IMPROVED LONG GREEN

VAUGHAN'S SELECTED STOCK

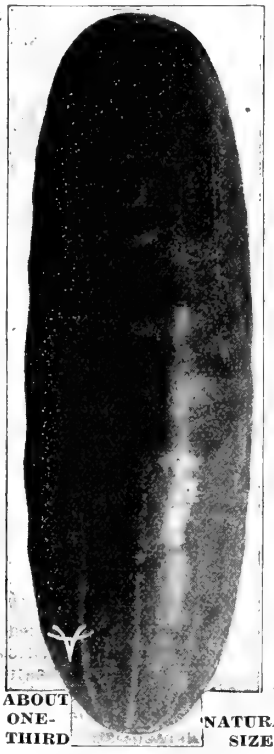
As a cucumber, of the "black spine" variety, for slicing and for pickles, this is one of the very best. Vaughan's strain is a selection from "Long Green" improved and developed by continued re-selection. The vines of our strain are very vigorous and productive, the fruits (12 inches long) are formed almost as early as the short sorts; they are firm, crisp and have a distinctive fine flavor quite their own. They make excellent pickles and when yellow and ripe, the best sweet pickles. In all respects, dark green color, size, crispness and flavor this is the best black spine variety. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $4.00.**

DAVIS PERFECT

Has individual points of distinction which make it exceptional amongst white spine cucumbers. Fine length, slimness, beautiful dark green color transparent-like flesh with deliciously cool refreshing flavor, and crisp. It is the most popular among extra long white spine cucumbers, both for indoor and outdoor planting. Its extreme vigor in growth makes it the best blight resister of the long sorts. We offer a highly superior strain—which has been continually re-selected to maintain best features in this sort. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25;. Stock seed, pkt., 15c; 2 for 25c; ½ oz., 60c; oz., $1.00.**

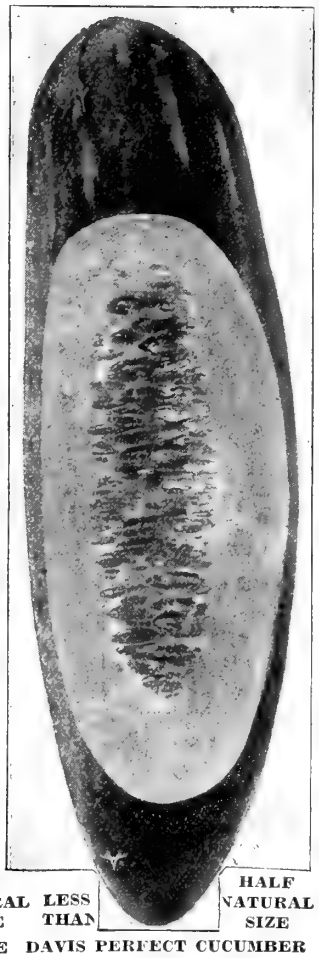
EXTRA LONG WHITE SPINE OR EVERGREEN

Is a popular standard amongst the long white spines. It is early, vigorous and prolific, more blight-proof than ordinary sorts, like "Davis perfect" in this; it is thicker than "Davis perfect," straight, smooth, dark shiny green, 8 to 12 inches long. The flesh is crisp, tender, superb in flavor. It is excellent for general market and home use. We offer a strain, the result of years of scientific trials, and re-selections from the best grown seed. **Select stock, pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**



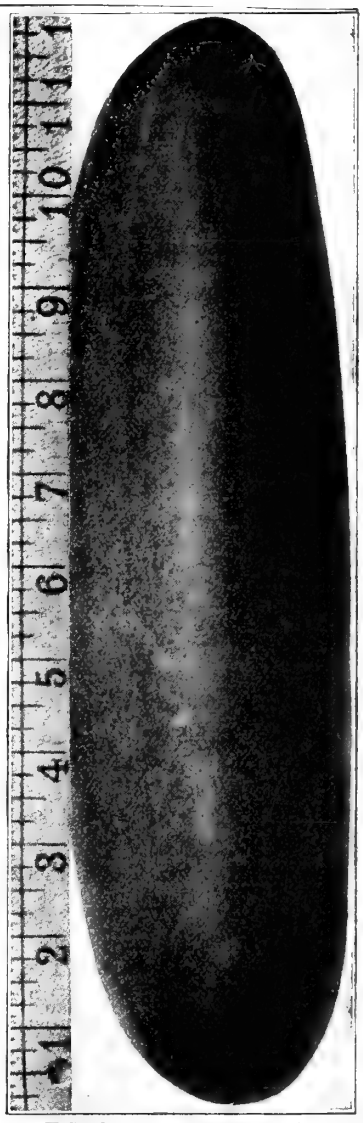
ABOUT ONE-THIRD NATURAL SIZE

EXTRA LONG WHITE SPINE



LESS THAN HALF NATURAL SIZE

DAVIS PERFECT CUCUMBER



IMPROVED LONG GREEN

ROCKY FORD (Klondyke)—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper, good dark green color, which it keeps. Fine for shipping. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

NEW CENTURY—A fine long strain of white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color remarkably well so that altogether it is one of the best for slicing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

FORDHOOK FAMOUS White Spine. As long as the "Davis," slightly bent, but very handsome, twelve to seventeen inches long. Quality is superb. Color is very dark green, never turning yellow. Very vigorous. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

CUCUMBERS

Westerfield's CHICAGO PICKLING

IMPROVED JERSEY PICKLE

This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end. While in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

THE CUMBERLAND PICKLE

This is a variety of the white spine type. Very hardy and a strong rapid grower, and gives very prolific yield. The pickles differ from all other hardy sorts, being thickset with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. It is excellent for both pickles and slicing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.50.**

	Pkt.	Oz.	¼ lb.	Lb.
Extra Early Green Prolific or Boston Pickling	5c	10c	30c	90c
Early Cluster	5c	10c	30c	90c
Fordhook Pickling	5c	10c	30c	90c
Early Frame or Short Green	5c	10c	30c	90c

ENGLISH FRAME CUCUMBERS

Rollison's Telegraph. A standard greenhouse variety. English greenhouse grown. **Pkt., 50c.**

Prescott Wonder. Fine flavored. Good yielder. **Pkt. (50 seeds), 25c.**

Carter's Model. One of the best English varieties. Large, straight, smooth. **Pkt. (25 seeds), 25c, 3 for 65c.**

Noa's Forcing. An old standard. **Pkt., 50c.**

Vaughan's Prolific Forcing. Early, shorter than others, uniform, prolific. **Pkt. (25 seeds), 20c, 3 for 50c.**

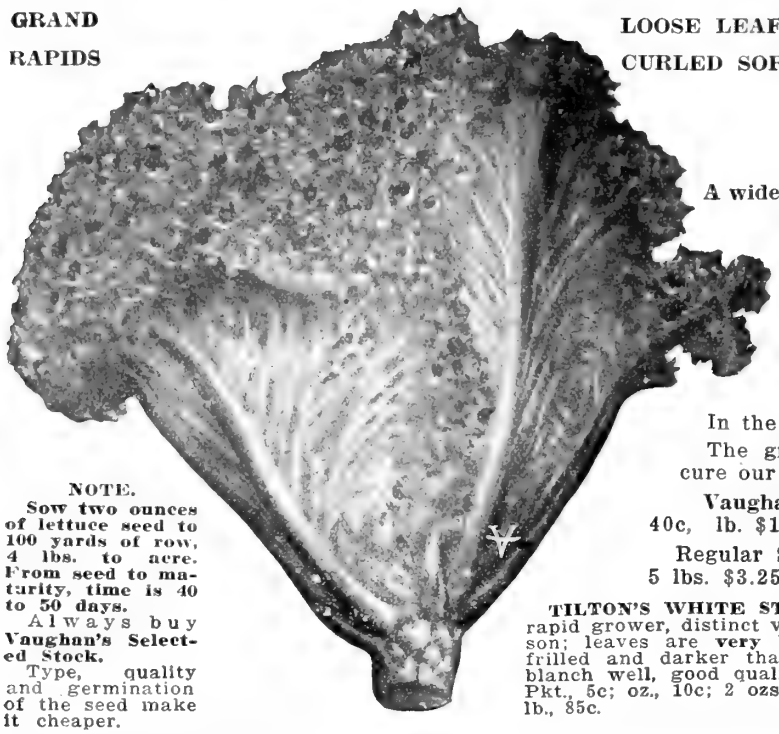
Grand Rapids Forcing. A very long American sort **Pkt. (65 seeds), 50c net.**

GRAND RAPIDS

LOOSE LEAF OR CURLED SORTS

VAUGHAN'S

SEEDS OF ONLY HIGHEST



NOTE.
Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity, time is 40 to 50 days.
Always buy **Vaughan's Selected Stock.** Type, quality and germination of the seed make it cheaper.

GRAND RAPIDS

VAUGHAN'S SELECTED STOCK.

A widely known, highly favored and extensively planted variety.

DESCRIPTION.

A curly leaved lettuce of great merit, for hot-bed and greenhouse growing. Produces crisp, tender, beautiful green leaves, richly curled, sweet and delicious. The leaves develop in the shortest possible time, their upright habit requiring little room in the bed. Elegant appearance, splendid keeping, shipping and other fine qualities, make this famous **Vaughan Specialty a profit maker** for the many market gardeners who plant it.

In the **home garden** Grand Rapids has real winning qualities.

The **greatest care and attention** is given this specialty to secure our seed at the highest point of perfection.

Vaughan's Selected Stock: Pkt. 5c, oz. 15c, 2 ozs. 25c, ¼ lb. 40c, lb. $1.25, 5 lbs. $5.50.

Regular Stock: Pkt. 5c, oz. 10c, 2 ozs. 15c, ¼ lb. 25c, lb. 85c. 5 lbs. $3.25. **Vaughan's Selected Stock is cheaper.**

TILTON'S WHITE STAR: Large, very rapid grower, distinct variety B. S. Simpson; leaves are **very broad, thick,** less frilled and darker than B. S. Simpson; blanch well, good quality—slow to seed. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

EARLY PRIZEHEAD: Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender, splendid for home garden. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

BLONDE BEAUTY. Try this. It's worth while. A **remarkable heat resister,** excellent keeper after cutting, tender, sweet, crisp and juicy. Fine shipper. Splendid for home garden. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., $1.00.

UNRIVALED. A light green strain of Big Boston. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.25.

CALIFORNIA CREAM BUTTER. One of the best **Summer varieties.** Heads good size and so solid they often have to be cut to let seed shoots appear. Beautiful appearance, crisp, rich, buttery flavor. **Pkt., 5c;** oz., 10c; ¼ lb., 30c; lb., 90c.

COS LETTUCE

Considered by many to be the highest **type of lettuce,** has distinct upright habit, very crisp and sweet.

EXPRESS COS LETTUCE

EXPRESS COS. The most dwarf and earliest of all. Delicious flavor. Self closing. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50.

PARIS WHITE COS. Grows to large size. Self-closing. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.10.

TRIANON COS. Similar to above, but grows whiter and matures earliest. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.10.

CABBAGE OR

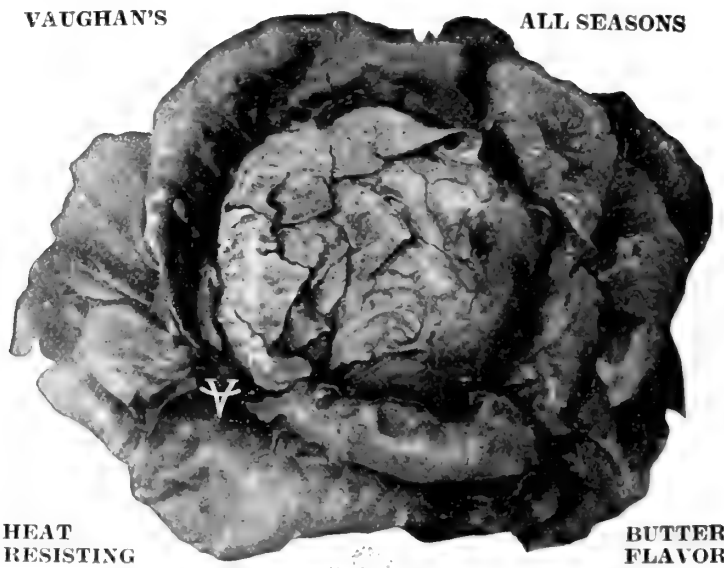
VAUGHAN'S ALL SEASONS

A distinctive mid-season variety introduced by us in 1879 when it gained and has since maintained immense popular favor in northern and central climates. Around Chicago it is an unapproachable favorite.

DESCRIPTION.

Large, handsome, solid head, nearly as large as Flat Dutch Cabbage; leaves grayish green, never spotted or brownish, but are broad, and the inner ones are beautifully blanched, are thick and of decidedly buttery flavor, embodying, in fact, all implied in the term excellent. A sure header, slow to run to seed. Buy Vaughan's Introducers—selected stock—and you secure the favorite of Chicago market gardeners. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.

VAUGHAN'S ALL SEASONS



HEAT RESISTING

BUTTERY FLAVOR

MAY KING EARLY. A very **early heading** variety has long been sought **—here it is.** This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close to medium sized head, permitting close planting in frames—the heart is beautiful, appetizing yellow, very tender, excellent quality. Pkt., 5c; ½ oz., 10c; ¾ lb., 35c; lb., $1.25.

LETTUCE

LOOSE LEAF OR CURLED SORTS

QUALITY AND BEST TYPES
BLACK SEEDED SIMPSON

A loose leaf lettuce of exceptional popularity with market and home gardeners.

DESCRIPTION.

Black Seeded Simpson grows large leaves, the inner ones forming a semi-compact head, very tender, crisp, fine quality and sweet flavor. Always **reliable** and **easily** grown; the fine, crumpled, green, beautifully frilled leaves add splendid **appearance** to **excellent** quality. An all-around lettuce; under glass, in cold-frame or open ground. A sort especially suited for amateur gardeners, who may have no success with head lettuce. An unsurpassed heat resister—the amateur and market gardener's success.

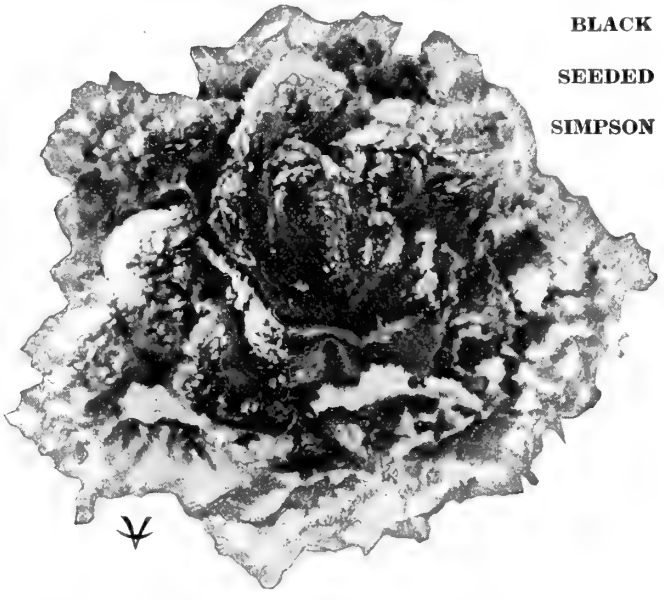
Vaughan's Selected Stock: Saved from extra selected plants—Pkt. 5c, oz. 15c, 2 ozs. 25c, ¼ lb. 35c, lb. $1.25.

Very choice stock: Pkt. 5c, 2 ozs. 15c, ¼ lb. 25c, 1 lb. 85c.

EARLY CURLED SILESIA: A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curved edges; an old favorite. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

EARLY CURLED SIMPSON: White seeded, similar to Early Curled Silesia—one of the best leaf lettuces. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

THE MORSE: Desirable strain of Black Seeded Simpson, for growing under glass—a careful selection by a seed grower of wide experience—leaves bright green, beautifully crinkled. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.



BLACK SEEDED SIMPSON

DENVER MARKET FORCING: Early, forms loose head of good size; leaves light green, handsomely marked, and blistered like a Savoy Cabbage; very crisp and tender, forcing or open ground sort. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

HEAD LETTUCE

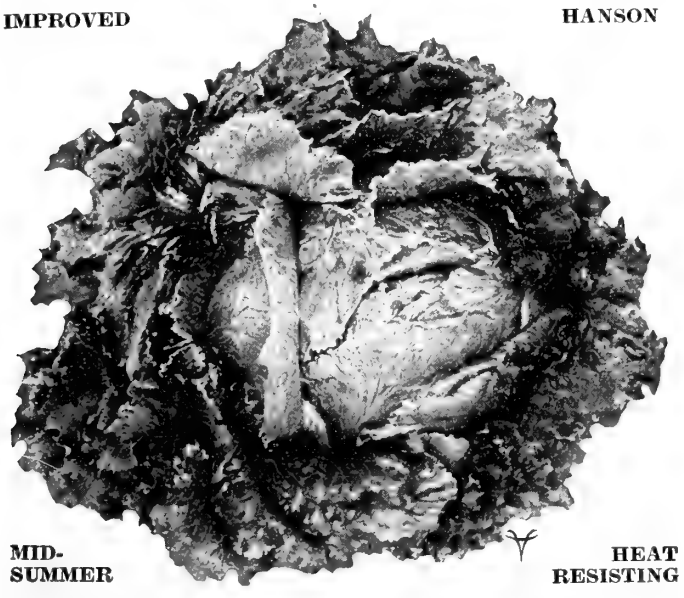
IMPROVED HANSON

An excellent lettuce of well known and highly approved quality on all markets.

DESCRIPTION.

Large, well formed, firm, globe shaped head of broad leaves, so compact that the inner ones are almost white. Leaves are beautifully curled and crinkled, very tender and sweet, outside ones are glossy green. Popular for mid-summer planting outdoors, having great heat and drought resisting qualities. Shows superior merit in central states; and is standard everywhere for home and market gardens. A sure header, always reliable. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c.

IMPROVED HANSON



MID-SUMMER HEAT RESISTING

ST. LOUIS BUTTER-HEAD. Extensively planted by market gardeners. Has gained great popularity since the St. Louis World's Fair in 1904; demand for it increases yearly. Large, solid head, beautiful crumpled leaves, yellow center. Vaughan's strain gives highest results. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

PERPIGNAN OR DEFIANCE excels for long standing, an uncommon quality. One of the finest new varieties, resists heat better than most others. Heads are large, firm and solid, seed shoots come through by cutting plant open. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

MAXIMUM OR IMMENSITY. A new lettuce; a wonderful heat resister; even in hottest weather it remains long without going to seed. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center, splendid quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

DEACON. Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful **golden yellow, rich buttery flavor.** Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

ICEBERG. Extremely hard heading, has finely indented leaves. Good for home or market garden. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

OTHER GOOD SORTS

Price: Any of the following, Pkt., 5c, oz. 10c.

Brown Dutch. Standard early, ¼ lb., 30c; lb., 90c.

Buttercup. Lightest green and most yellow of all sorts. Excellent quality. ¼ lb., 30c; lb., 90c.

Golden Queen. A good first early, ¼ lb., 30c; lb., 90c.

Giant Crystal Head. White, solid, extra quality. ¼ lb., 30c; lb., $1.00.

Giant Glacier. Largest head, ¼ lb., 30c; lb., $1.00.

Mammoth Black Seeded Butter. Large hard heads. A favorite everywhere. ¼ lb., 30c; lb., 90c.

New York. Large white leaves, ¼ lb., 30c; lb., $1.00.

Salamander. Good all seasons, ¼ lb., 30c; lb., 90c.

Tennis Ball. Black seeded. One of best standard sorts. ¼ lb., 30c; lb., 90c.

Tennis Ball (Boston Market). White Seeded. A good forcing sort. ¼ lb., 30c; lb., 90c.

White Summer Cabbage. Green, very hardy, popular. ¼ lb., 30c; lb., 90c.

BIG BOSTON

Big Boston Vaughan's Selected Stock. With southern gardeners who ship north, many of whom plant Vaughan's seed exclusively, this is most popular; the best early large heading sort South; North, a valuable **first early.** Plants are vigorous, mature large heads of bright green leaves which are very tender. Pkt., 5c, oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., $1.25.

VAUGHAN'S ORIGINAL OSAGE

VAUGHAN'S

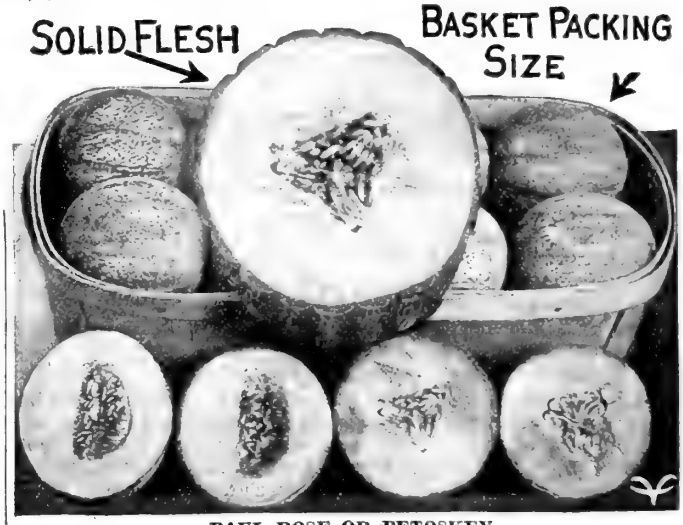
VAUGHAN'S ORIGINAL OSAGE

The Osage is without doubt the best general purpose Muskmelon yet produced; on heavy soils where other sorts like Rocky Ford produce inferior quality fruit Osage does well and is a profit maker, and in sandy locations Osage is at home and develops handsomely, doing quite as well as in heavier soils. An Osage melon is seldom poor in quality, it holds its own rich flavor much longer than do most other sorts; a well grown Osage represents the highest quality in Muskmelons. We have always taken great pains to keep up the quality of our seed of this melon to the highest point of excellence as it is a variety in which we take pride as the introducers.

Our strain is most carefully reselected each season to conform to our ideals of quality, shape, size and vine growth, enabling us to maintain an always uniform stock.

The Osage is a large melon, about three times the size of Rocky Ford. With its well netted, dark skin, smooth salmon-colored flesh of a superb rich flavor, it stands high with growers everywhere as is evidenced by the orders we receive from the largest growers, year after year. Buy early. **Selected stock. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., $2.60.**

Regular Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., $1.00.



PAUL ROSE OR PETOSKEY

VAUGHAN'S PAUL ROSE, OR PETOSKEY

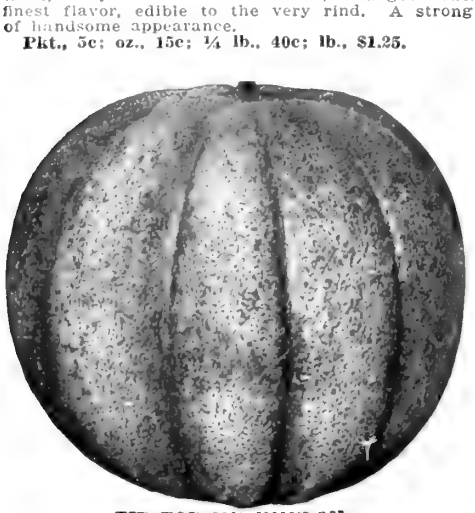
A unique combination of the Osage and Rocky Ford melons is the later Vaughan's specialty—the **market basket** success Paul Rose muskmelon. This melon introduction of Vaughan's Seed Store is a **basket size** melon of great merit and it fills a place in usefulness and quality distinctly individual.

Paul Rose is a melon produced by crossing "Osage" and "Rocky Ford," a grand combination which produces the highest percentage of high-class table melons of the **basket size** varieties. It has the flesh color and quality of the Osage, with a flavor entirely its own, it also has the netted skin and shape of the Rocky Ford, making it ideal to market—and it does not breakdown in shipping. In season it is ten days earlier than Osage, its fine flavor, rich quality, netted skin and **basket packing size** make it a winner. **Selected Stock. Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., $2.60. Regular Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., $1.00.**

SPECIAL SHIPPING OSAGE. This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.60.**

TIP TOP. Selected Stock. A Melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed Melon of the very best quality; every Melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, edible to the very rind. A strong grower, heavy yielder and of handsome appearance.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.



TIP TOP MUSKMELON

MONTREAL MARKET or NUTMEG (Green Fleshed)

The largest of the nutmeg varieties. This melon is extensively raised near Montreal; being sown and grown in cold frames until ready to set out. Skin is dark green in color; the ribs broad and prominent; flesh thick, luscious and melting. **Pkt., 10c: oz., 15c; ¼ lb., 40c; lb., $1.25.**

FORCING MELONS

Highest Table Quality: Suitable for Greenhouse Growing.

EMERALD GEM FORCING. Salmon flesh, early, uniform. **Pkt., 25c.**

A1. SUPERB. Scarlet flesh. Crop failed.
BEST OF ALL. White flesh.
BLENHEIM ORANGE. Scarlet flesh.
DIAMOND JUBILEE. Green flesh.
RINGLEADER. Green flesh.
ROYAL SOVEREIGN. White flesh.

Prices of above, except where noted, each, pkt.,25c.

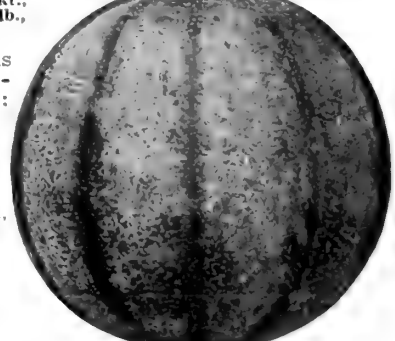
VAUGHAN'S HOODOO MELON

(Introducer's Strain.) "As like as Peas in a pod." Read full description in novelty pages in the front of this book. The finest of the Gem type of salmon fleshed melons and just right in size to ship, and to serve, cut in two. The sweetness and flavor are the highest, nearly every fruit being of uniform fine quality, productive and early.

Select Stock: Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 70c; lb., $2.50.
Regular Stock: Pkt., 5c; oz., 10c; 2 ozs., 15c, ¼ lb., 30c; lb., $1.00.

MILWAUKEE MARKET

This is a fine new melon that made its appearance in Milwaukee a few years ago. It originated as a cross between the old Surprise and a Gem melon. Our strain has been improved by careful selection and we think for a fine home melon and a market-wagon variety it has no superior. The melon is light green in color, nearly round with only slight sutures, flesh a salmon color, wonderfully sweet, with almost no stringiness. In Milwaukee this melon has always commanded prices much higher than the Rocky Ford. As a home garden melon we consider this variety ideal. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

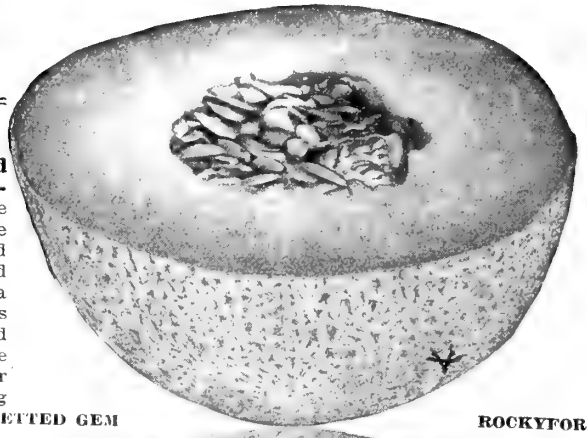


MILWAUKEE MARKET

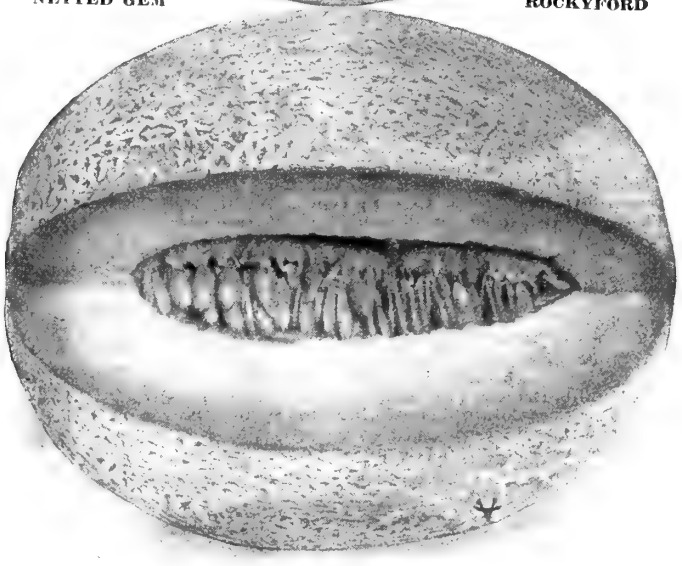
MUSKMELONS

ROCKY FORD NETTED GEM—SELECTED STOCK

This delightful melon when well grown from **high-class selected seed** is the standard **of green fleshed** muskmelon excellence. "Refreshment and pleasure are found in each delicious bite, and the exquisite flavor is almost tonic in its appetizing effect." The seed we offer is grown for us by an expert melon grower in the Rocky Ford district, Colorado. We have two grades, selected, which is saved from specimen marketable melons only, and regular, saved from a field raised for seed purposes only, from which only the off vines have been discarded. The selected stock which comes from the culled specimen melon is more uniform and produces more melons of the specimen type. The regular stock is saved from a field grown for seed, but without the time and expense of special selection having been spent upon it. The illustration on this page shows the small seed cavity, and the thick, rich, juicy flesh, which is so delicious it may be eaten to the very rind. Vaughan's Selected Stock of Rocky Ford is cheapest because best. **Vaughan's Selected Stock** (from best melons). **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75. Regular Stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**



NETTED GEM ROCKYFORD

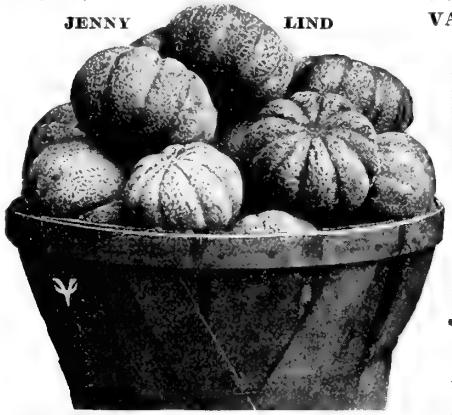


VAUGHAN'S OSAGE GEM

A real gem with salmon colored delicious flesh, and where Rocky Ford Netted Gem is produced in Colorado it is as much in favor as the green fleshed variety. This melon was first introduced by us under the name "Vaughan's Osage Gem." It has since become the most renowned melon of any offered on the market. The regular seed trade all have it listed under other names. The skin is heavily netted like the Rocky Ford and the luscious salmon colored flesh is of the highest quality. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

BENTON HARBOR GEM. A selection of the Eastern Oval Netted Gem, made by a veteran grower in the Michigan melon district. Select Seed. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.00.**

JENNY LIND



JENNY LIND. VAUGHAN'S SELECTED STOCK. A compact packer, with rind thick at ends, which are flattened and are not easily broken down when crated or basket packed for shipment. The quality is unsurpassed for eating. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EXTRA EARLY HACKENSACK. Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each, market growers should remember that this is one of the best, earliest, hardiest, most prolific of netted melons—and has fine flavor. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00. Hackensack—late strain: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

VAUGHAN'S CHICAGO MARKET

This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.40.**

SWEET-AIR—New

This is a large green fleshed Gem melon, very uniform in size, which has, in the past few years, become the popular variety around Washington, Baltimore and Philadelphia. In that region Sweet-Air produces a melon of superior flavor and commands the highest market price in preference to all other sorts. The melons are oval in shape, five to six inches across, and seven to eight inches long. The netting is good and as a crate variety it will stand long distance shipments. The flesh is thick, dark green in color with a light pink near the center. The vines are vigorous and withstand blight much better than other Gem sorts, remaining green until the fruits are fully ripened. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

CHAMPION MARKET. The flesh is light green and of very rich sweet flavor. Early as Netted Gem, which it resembles in shape, but is fully three times its size. Very prolific, a good shipper. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

OVAL NETTED GEM. The old style Gem which was in such favor before the appearance of the New Rocky Ford types. This melon often meets the Eastern conditions better than does the Rocky Ford grown seed. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.**

ROUND GEM. A round selection of the netted Gem. In some sections this type is still popular. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

MANGO MELON. Vegetable Peach. Golden yellow, resembles an orange in shape and size; the flesh is snow white. They make splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Packet has cooking directions. **Large pkt., 10c; 3 for 25c.**

GARDEN LEMON. Fruits short, nearly round, with yellow and green markings, skin smooth, flesh tender, sweet melon flavor. Best when turning yellow. **Pkt., 10c; 2 for 15c; oz., 25c.**

EMERALD GEM.

The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon, but is not a good shipper, it is, however, one of the sweetest and best quality melons and well adapted to the purposes of the home garden. **Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., $1.25.**

THE SYRACUSE. The largest superior quality melon. Specimens weigh 6 to 9 lbs. Skin grayish green, flesh light green.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

EARLY CITRON, LANDRETH'S. Very early half flat sort. Flesh green, of fair quality.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

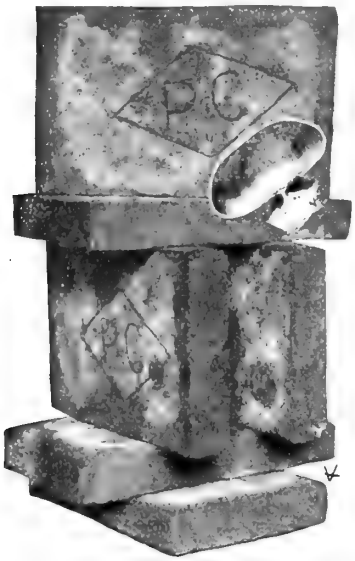
BANANA. Cucumber shape. Delicious odor. Rather late maturing.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.

EXTRA EARLY NUTMEG. Nutmeg shape. Very early; green flesh.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

EXTRA EARLY HACKENSACK

THE OSAGE GEM MUSKMELON

VAUGHAN'S LIVE PURE CULTURE SPAWN



VAUGHAN'S LIVE

MAKE MONEY

GROWING MUSHROOMS

The market supply of mushrooms is not nearly great enough to meet the increasing demands of hotels, restaurants and homes for this choice table delicacy. An opportunity is, therefore, afforded for making money, to those who desire to enter this field, on a commercial scale. What we say here is for those who have an ambition to enter this field, rather than to make an unlimited appeal; for the reason that certain fundamental and rather technical principles underlie mushroom growing, which it is necessary should be thoroughly understood to attain success. There is no secret process, but much preparation is necessary and conditions must be right. Many amateurs are now growing mushrooms successfully. Results are not hard to

LAMBERT'S PURE CULTURE MUSHROOM SPAWN

This Spawn is made in America from selected Mushrooms grown under cultivation. Such Spawn is fresher than the English, which must be thoroughly dried before its long journey; the growth of American Spawn is therefore quicker and stronger than the imported. We receive monthly shipments from our manufacturer, The American Spawn Co. (Lambert), so that our Spawn is always fresh, live and strong.

We carry the pure white, brown, and cream brown varieties; known also under manufacturer's number and as Alaska, Columbian, Holland, and Bohemia.

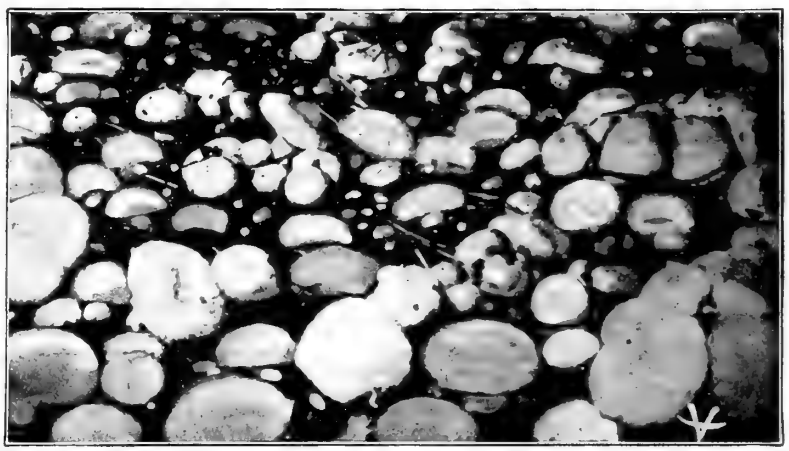
Price—Direct Bricks, inoculated direct from Pure Cultures. Brick (weight 1¼ lbs.), 30c; 5 bricks, $1.25; 10 bricks, $2.00; 25 bricks, $4.25; 100 bricks, $15.00. Not prepaid.

Standard Bricks, inoculated from Direct Bricks. Brick (weight 1¼ lbs.), 25c; 5 bricks, $1.00; 10 bricks, $1.85; 25 bricks, $3.75; 100 bricks, $12.00. Not prepaid.

Washington, D. C. "The Mushroom Spawn, Lambert's No. 8 Direct, I got from you was the best spawn I ever had. From one bed 3'x40' we picked over 6 bushels in one week."
G. E. Anderson.

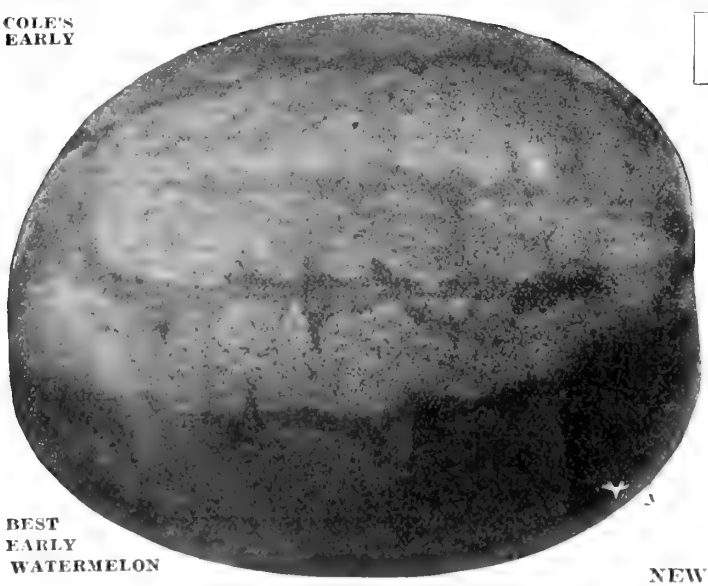
Order Lambert's Spawn by Number. The following strains produce fairly true to type. White and Cream White are the most popular market varieties.

5. Brown (Bohemia) prolific, grows in clusters.
6. White (Alaska) similar to 9, but with heavier stem.
7. Brown (Bohemia) hardy, good producer, very heavy.
8. Cream White, hardy, prolific—preferred for summer planting.
9. White (Alaska) a market favorite.
10. Light Brown (Bohemia) heavy, quite fleshy.
11. Cream (Columbia) similar to 8, but larger and slightly darker.
12. Cream (Columbia) large and very fleshy.



Make Bed in Basement or any Out-Building—Temperature 55° to 65° Fahrenheit

COLE'S EARLY



BEST EARLY WATERMELON

For market long sorts Tom Watson and Alabama Sweets are good.

VAUGHAN'S

COLE'S EARLY

In the **Northern States** Vaughan's "Cole's Early" has long been a great favorite and continues to enjoy the patronage and confidence of important home **market** growers—it is a **home** market melon. It is **early** and as such has no superior, although not well suited for shipping. For **quality** it is king, in sweet, delicious crispness, fetching flavor and melting tenderness, it stands at the top. Medium size melons, they are oblong shape, about 20 inches long, 12 inches through; skin rich green, thin brittle rind—poor shipper—but flesh appetizingly red, rich, delicious and sweet. Our seed is extensively planted in the **northern states** where it is produced, and where this melon is at home in the home garden a reliable **early**. Vines are vigorous and very productive. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c. By express: 5 lbs., $2.85; 10 lbs., $5.25.**

A Great Melon
Grand Shipper

NEW MELON

The best shipper of the long melon varieties; a combination of excellent qualities has given this great popularity in a few seasons. There is joy in every bite of the deliciously flavored, sweet, red flesh, crisp, tender and melting, so satisfying and delightful is its thirst quench-

WINTER WATERMELON

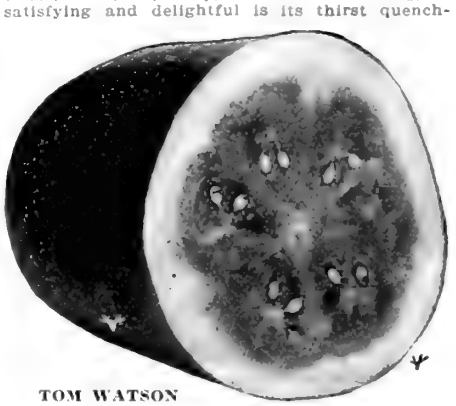
The fine keeping quality of this variety, apart from its palatable edibleness, makes it a special favorite, and gives it a special place. In a cool place it keeps long into the winter and retains its delicious sweetness and flavor. It **is early,** (earlier than "Sweetheart"), and prolific; the flesh is red, extremely firm, almost as hard **as** citron, very brittle, but deliciously sweet. Skin is very light green, almost white, its shape round. Vaughan's Winter Melon will give satisfaction to those who want a winter variety. **Pkt., 10c; ½ oz., 15c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; lb., $1.50, postpaid.**

NEW CHILIAN

Has already attained considerable popularity although new, and is sure to advance with wider distribution. It is desirable for the home garden and is a good shipper—a fine sort for southern climates. Very attractive, of medium size, nearly round, skin-deep rich green, faintly mottled and striped, stripes of lighter shade. The flesh is bright vermillion, fine grained, very firm, very sweet and excellent flavor; a good keeper, and has white seed. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

ALABAMA SWEETS

A Southern favorite, there it grows to perfection; and is a grand shipper. It is oblong in shape, dark green skin, irregularly striped, has bright red flesh of delicious flavor and sweetness. Our strain is especially fine, the seed is white. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $2.85.**



TOM WATSON

MUSHROOM SPAWN

PROFITABLE BUSINESS IN THIS LINE

obtain where a bed may be made in the basement, barn, woodshed or other (water-tight) out-buildings where an even temperature of 55 to 65 degrees Fahrenheit is maintained during the cold months. We issue a 12-page booklet "How to Grow Mushrooms," which we send free with an order for spawn, when requested. The simple instructions contained in that booklet, if carefully followed will enable any intelligent person to produce mushrooms successfully; where the first effort fails, the second is almost invariably successful. **We conduct a very extensive business in this line, supplying the largest growers in the U. S. A.**

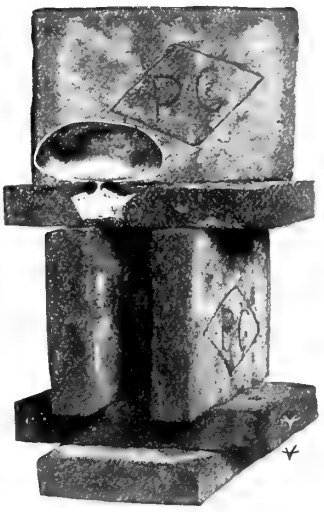
—We Invite Enquiries.—

ENGLISH MUSHROOM SPAWN

This is the best English make. Our manufacturer is the oldest Mushroom grower in England and the largest in the world. It is far superior to the old English Milltrack Spawn, being made from carefully grown selected specimens. This spawn is made especially for us, who handle more of this article than any one else in the United States, and we receive fresh importations eight to ten times each year. It comes in pressed bricks weighing almost 20 ounces.

Prices, (weight per brick, 1¼ lbs.), brick, 15c; 2 bricks, 25c; 8 bricks, $1.00; 25 lbs., $2.00; 100 lbs., $7.00; if shipped from New York, per 100 lbs., $6.00. Special prices on ½ ton lots and upward.

VAUGHAN'S LIVE PURE CULTURE SPAWN



NOTE

The popularity of Pure Culture Spawn is increasing rapidly and many of the large commercial growers are now using this where they formerly planted the English. They claim it is a surer crop. Amateurs have much the best results with this kind. A Pure Culture, 3-page booklet, free with order of over two dollars.

"Mushrooms. How to Grow," published by Vaughan's Seed Store. A 12-page booklet, 10c postpaid. Free with a mushroom order if requested.

Mushroom Culture. How to prepare the beds and raise the Mushrooms. Robinson, best English book, cloth bound, **50c**, postpaid.

OKRA—OR GUMBO

This vegetable should be planted a great deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package.

WHITE VELVET—Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or square-holed. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

DWARF—Grows low but stocky and is very productive. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

TALL OR PERKINS MAMMOTH—The long pods measuring 4 and 6 inches are produced in great quantities. The appearance is handsome, of green color and best quality. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

DWARF, TALL OR PERKINS' MAMMOTH OKRA

MARTYNIA—For PICKLES

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and bear abundantly. They should be gathered when less than half grown. For culture see Vaughan's Vegetable Garden. **Pkt., 10c; ½ oz., 20c; oz., 35c.**

MUSTARD

The leaves make a salad or may be boiled like Spinach.

Giant Southern Curled

The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves are eaten boiled, like Spinach.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

Improved Ostrich Plume.

The handsomest of the mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

White—Best for general use. **Oz., 5c; ¼ lb., 15c; lb., 40c.**

Brown—Stronger than above. Price, same as white.

WATERMELONS

For market round sorts—Black Diamond, Sweetheart, Kolb's Gem Improved are good; for home use plant Cole's Early, Kleckley Sweets and Tom Watson.

KLECKLEY SWEETS Sweetest of All.

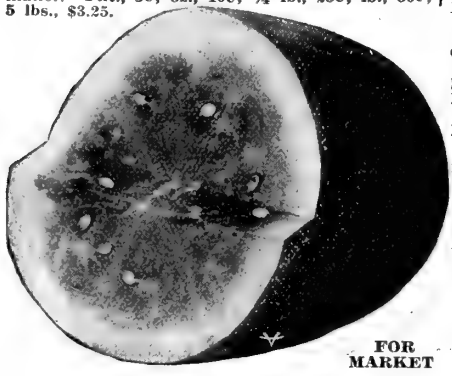
VAUGHAN'S SPECIAL

In the north is only a few days later than "Cole's Early." Vaughan's seed has been grown with this object in view and success has rewarded our efforts. There is no melon superior in quality to Vaughan's Strain of Kleckley Sweets, the bright scarlet flesh is the ideal of watermelon quality; firm, crisp, tender, without cotton or stringiness, and delicious to the last bite. It is not a good shipper, the rind being thin and brittle; has rich, dark green skin; size about 20 inches long, 10 to 12 inches through (identical with "Monte Cristo"). For home and local market gardens it is a splendid melon. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c. By express: 5 lbs., $3.25.**

BLACK DIAMOND. Runs very large, and prolific, medium early. Dark green, round or blunt oval shape, fine shipper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

TOM WATSON

ing richness it is in a class by itself. 24 inches long, 12 inches through, dark-mottled green rind which is thin but strong—and flesh can be eaten to within ½ an inch of the skin. For home, market garden or shipping it is a money maker. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c; 5 lbs., $3.25.**



FOR MARKET

SWEETHEART. Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

STANDARD VARIETIES

Any of the following (except where noted). **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c;** postpaid.

COLORADO CITRON; RED SEEDED CITRON—For preserves each. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

CUBAN QUEEN—Late, large good.

DUKE JONES—Round, large shipper.

EARLY FORDHOOK—Earliest shipping melon.

FLORIDA FAVORITE—Long, striped.

GREY MONARCH—Oblong; very light green.

ICEBERG—Similar to Kolb's Gem.

ICE CREAM OR PEERLESS—Early fine quality home melon.

ICING, DARK—A very solid dark colored shipping sort.

JONES' JUMBO—An old favorite; large.

KOLB'S GEM, IMPROVED—A standard market shipping melon.

McIVER'S WONDERFUL SWEET—Very sweet long melon.

MOUNTAIN SWEET—Oblong; thin rind.

PHINNEY'S IMPROVED—An early medium sized oblong melon.

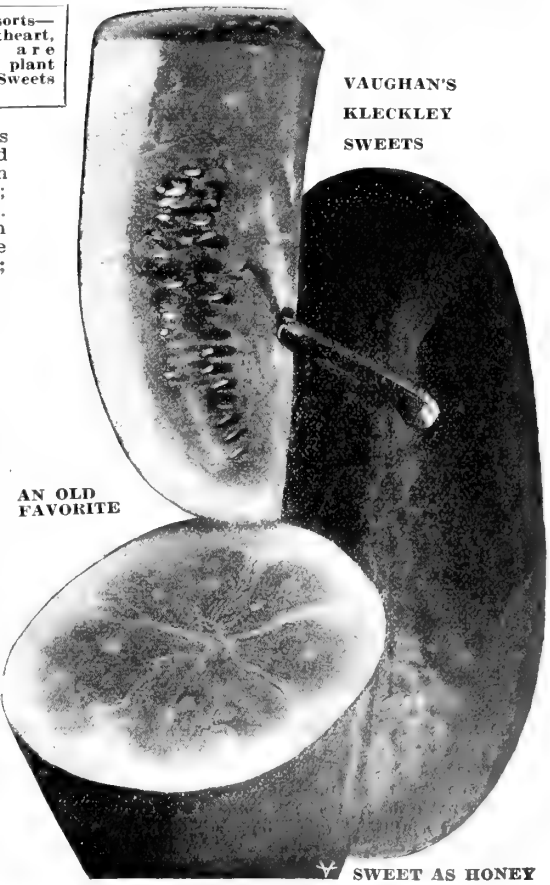
RATTLESNAKE OR GYPSY STRIPED—Oblong, striped and mottled; very sweet; popular South.

THE DIXIE—Old standard second early, good shipping variety.

TRIUMPH—Very dark; large shipper.

VAUGHAN'S KLECKLEY SWEETS

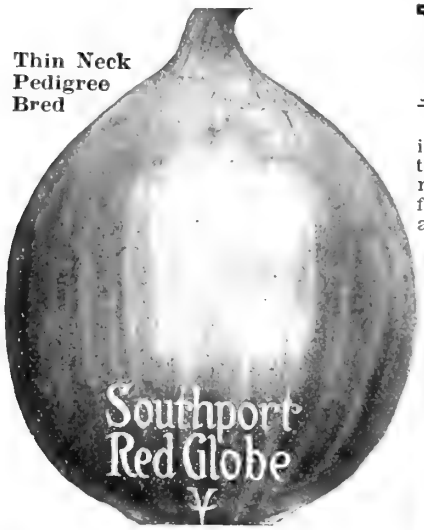
AN OLD FAVORITE



SWEET AS HONEY

VAUGHAN'S ONIONS

Thin Neck Pedigree Bred



It is in low priced crop years like the present that the value of good onion seed makes itself most felt. This fall poor mixed stock was a drug and could hardly be sold—onions of the right quality, good keepers with color, sold readily at fair prices. The season this year had much to do with the poor keeping quality of onions but pedigreed seed is also an important factor. The present January 1st market tendency is for higher prices. The fall opened with a very large estimated crop and low prices. Later it braced due to the unexpected buying of European nations.

Our reports would indicate a slightly reduced acreage for 1915. In growing for market, globe types are the most salable and profitable and Vaughan's Seed Store makes a specialty of these types. Their Special Eastern grown strains of Southport, Ohio and Apple Shaped Onions are mostly grown under our direct supervision and bred for the following points: 1. Solidity and long keeping quality. 2. Globes true to type. 3. Small neck. 4. Early ripening. 5. Color.

Beautiful Yellow Skin

Southport Red Globe

The exact counterpart of Southport Yellow Globe in shape, finely bred neck, handsome appearance, etc.; beautiful rich crimson color, large spheres, solid and firm. Seed grown by a specialist under our own supervision. **Eastern grown seed: Pkg., 10c; oz., 20c; ¼ lb., 50c; lb., $1.70; 5 lbs., $7.75; 10 lbs., $15.00.**

Western grown seed: Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.50; 5 lbs., $6.75; 10 lbs., $13.00.

OHIO RED GLOBE is an onion with fine uniform RED COLOR. Shape resembles Ohio YELLOW GLOBE. The seed is grown for us by the originator of this strain, an experienced onion grower in Lake County, Ohio. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.70; 5 lbs., $7.75; 10 lbs., $15.00.**

SOUTHPORT YELLOW GLOBE

Conspicuous, large, golden yellow spheres, of exceptional beauty; a late, large, main crop variety; best keeping quality. The buyer of a packet and the planter for carload shipments are equally enthusiastic over this gem among onions. Sacked or barreled for market. Its size, beauty, quality and fine appearance make it a trade winner.

Eastern grown seed: Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.70; 5 lbs., $7.75; 10 lbs., $15.00.

Western grown seed: Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.50; 5 lbs., $6.75; 10 lbs., $13.00.

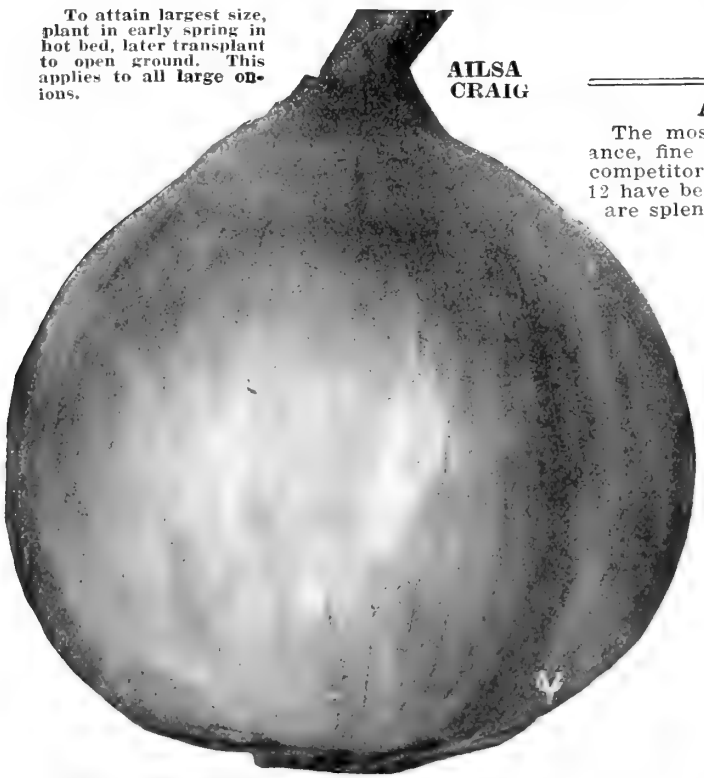
VAUGHAN'S APPLE-SHAPED RED GLOBE

An ideal, small neck, dark red globe onion; sound and solid, perfect type. The seed is always grown in the eastern parts of the United States, which insures uniform rich color; California, or far western grown seed, loses the rich color so much desired. Our seed and RE-SELECTED bulbs produce this variety, unsurpassed for size, shape, color and quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.70; 5 lbs., $7.75; 10 lbs., $15.00.

LARGE POPULAR

To attain largest size, plant in early spring in hot bed, later transplant to open ground. This applies to all large onions.

AILSA CRAIG

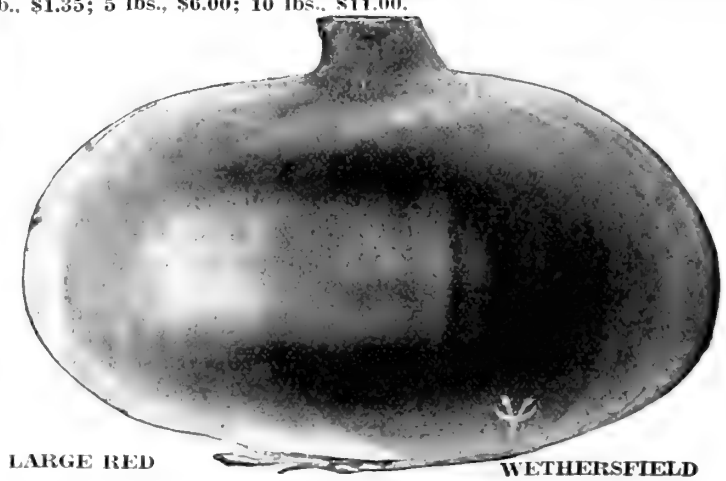


AILSA CRAIG VAUGHAN'S SELECTED STOCK

The most popular large onion grown in England; with handsome appearance, fine straw colored skin, large size and great weight it is a successful competitor of imported, large Spanish onions. The bulbs are oval shaped and 12 have been known to weigh 30 lbs. They are beautiful and for large onions are splendid keepers. The flesh is mildly pungent with fine flavor. Good for eating raw. Ailsa Craig will outrank other popular ones when better known. It is unexcelled for exhibition and is a profit making high quality onion. **Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., $1.40; lb., $4.50.**

PRIZETAKER, AMERICAN GROWN

Exceptional among large onions for beauty and size, of the same type as the large Spanish onions imported and sold for high prices. Our American grown seed has become acclimated through many years of careful culture. Prizetaker is a yellow globe which matures to great size in the right condition, but requires a long season, and should be started early in **hot bed.** When properly ripened it keeps well. **Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.35; 5 lbs., $6.00; 10 lbs., $11.00.**



LARGE RED WETHERSFIELD

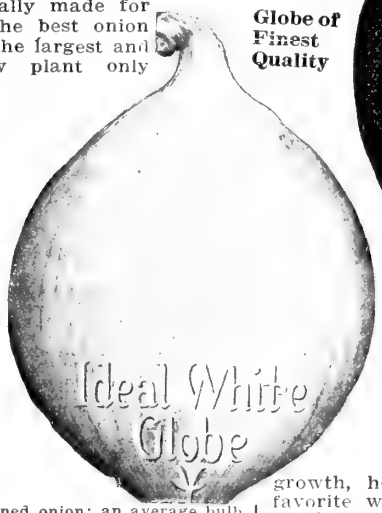
LARGE RED WETHERSFIELD—An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round somewhat flattened bulb of flesh, purplish mixed with white. Moderately fine grain and mild flavor. In poor soil it does best, grows a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market.

Our seed is carefully selected California grown—none better. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.50; 5 lbs., $7.25; 10 lbs., $14.00.**

PEDIGREED SEED

We take great pride in these globe types of ours and we think they are as good as can be grown. In the first place they are grown in the East where color, shape and keeping quality can be maintained and bred up, an impossibility in the West. Second, our seed bulbs are selected and re-selected year after year. Third, the different colors are sown miles apart and stored in different houses after harvest to prevent mixtures. Fourth, our seed harvest is carefully cut and dried in the husk on racks which secures the highest possible germination.

Thorough cleaning in mills and apparatus specially made for treating onions leaves nothing undone to obtain the best onion seed brains, labor and money can secure. Many of the largest and most successful commercial onion growers now plant only Vaughan's Special Onion Seeds.



Globe of Finest Quality

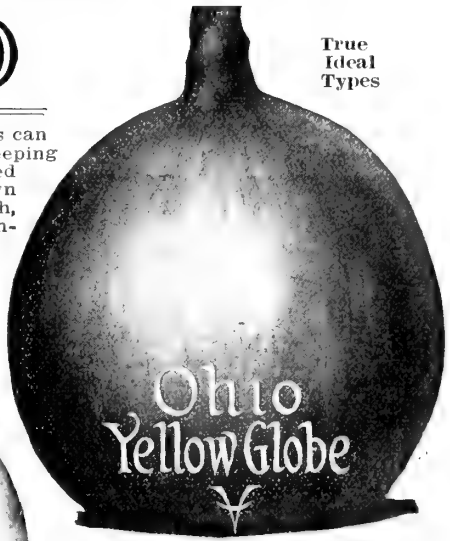
IDEAL WHITE GLOBE

"Ideal White Globe" is strikingly handsome, highly recommended by expert growers for market purposes; true globe, pure white, small neck, ripening very early and evenly, fine keeper, and fine quality. This is a Vaughan high merit onion, which has no superior. Our record in supplying Chicago and western market gardeners and commercial growers is the best evidence of their success.

Eastern grown seed: Pkt., 10c; ½ oz., 15c; oz., 30c; 2 ozs., 50c; ¼ lb., 95c; lb., $3.25; 5 lbs., $15.75; 10 lbs., $30.00.

Western grown seed: Pkt., 10c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., $2.35; 5 lbs., $11.50; 10 lbs., $22.50.

AUSTRALIAN BROWN GLOBE. A large light brown skinned onion; an average bulb 3 inches in diameter weighs about 7 ounces. Perfect globe shape, quick to mature, ripens evenly on all soils; thin neck, long keeper, solid flesh, grand shipper. A bushel weighs many pounds more than the American varieties. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.25; 10 lbs., $10.00.**



True Ideal Types

OHIO YELLOW GLOBE

Is always a quick seller at a good price. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outranks the old type Yellow Globe Danvers in popularity for general market purposes. This is a beautiful sphere of superior quality, its finely bred small neck, large bulb, solid flesh, uniform growth, heavy cropper, fine keeper, make it a favorite with growers, as its handsomeness and excellent quality make it so with consumers. Ohio grown. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.70; 5 lbs., $7.75; 10 lbs., $15.00.**

VAUGHAN'S SPECIAL

Buy Early—Plant Early.

VARIETIES

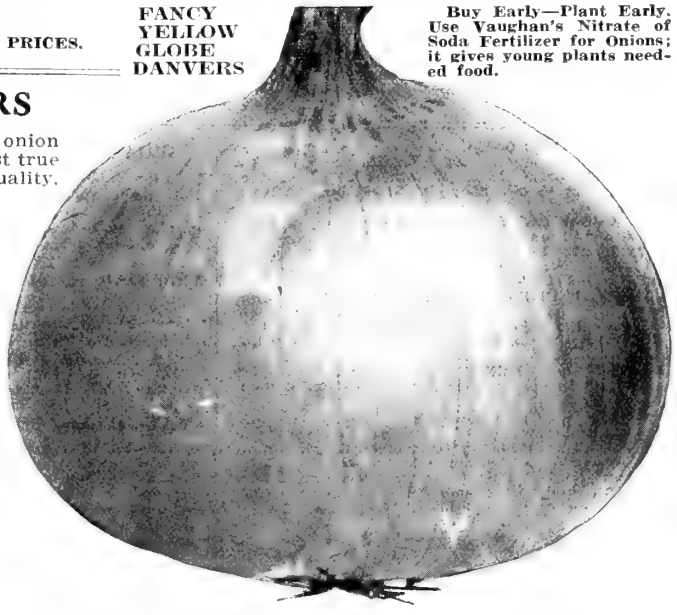
ONION SET GROWERS WRITE FOR SPECIAL PRICES.

FANCY YELLOW GLOBE DANVERS

Buy Early—Plant Early. Use Vaughan's Nitrate of Soda Fertilizer for Onions; it gives young plants needed food.

FANCY YELLOW GLOBE DANVERS

Has many valuable qualities which make it a standard early onion that gives satisfaction to consumers and profit to growers. Almost true globe shape, beautiful yellow skin, pure white flesh of excellent quality, good size, thin neck, early. Our strain is so near to globe shape that it passes for globe and being several weeks earlier than Southport Globe, offers advantage of **early market higher prices.** The crop ripens uniformly at one time—keeping quality very best. Our strain is selected and grown with greatest critical care. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50; 5 lbs., $6.75; 10 lbs., $13.00.**

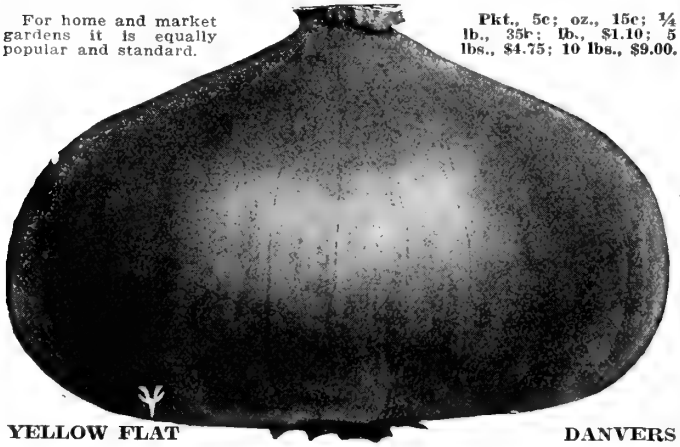


YELLOW FLAT DANVERS

YELLOW FLAT DANVERS is a standard onion with many splendid qualities and is a valuable general crop sort. It is a medium size bulb, quite thick through but flattened, has coppery yellow skin, thick neck, and creamy white flesh which is mild and of pleasant flavor. It combines a large yield with very even ripening quality, and in every respect is first class where a strictly globe shaped onion is not demanded.

For home and market gardens it is equally popular and standard.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10; 5 lbs., $4.75; 10 lbs., $9.00.



YELLOW FLAT DANVERS

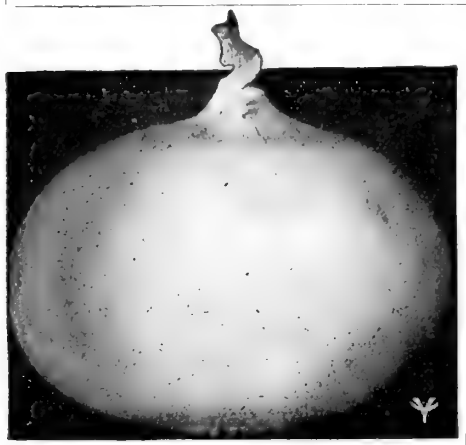
YELLOW GLOBE DANVERS. Same as above except these do not run as globe shaped, but color, ripening and keeping are identical. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35; 5 lbs., $6.00; 10 lbs., $11.50.**

MAMMOTH SILVER KING. Averages 15 to 22 inches in circumference and weigh 2½ to 4 lbs. each. It matures early and is uniformly large and of good shape, is flat but thick. Skin is clear silver white, flesh snowy white, tender, sweet and mild. Size, shape, color, quality, all make it ideal for exhibition, fancy market or table. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.60.**

CRYSTAL WHITE WAX. This is a pure white flat onion, very popular in the South, especially in Texas. We have also found it well suited to the North, in our trials of this strain. Teneriffe seed. **Pkt., 10c; ½ oz., 15c; oz., 30c; ¼ lb., $1.00; lb., $3.50.**

WHITE AND RED BERMUDA. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Our imported Teneriffe seed gives best results. **White, Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.75. Red, Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; lb., $2.10.**

VAUGHAN'S ONIONS



WHITE PORTUGAL

WHITE PORTUGAL OR SILVERSKIN

Is a highly favored onion by the great number of planters who use it, as well as by the consuming public. It is extensively used for growing **White Onion Sets** and **Pickles**, and also for early Bunching or **Green Onions**; for either of these purposes it has highest merit. It is also grown for market as a **large White Onion**, for Fall and early Winter use. The skin is clear white, beautiful as glistening silver, bulb medium size and flat shape, fine mild flavor, and for keeping is best of the White Onion varieties. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50, postpaid. By express—5 lbs., $6.75; 10 lbs., $13.00.**

BROWN AUSTRALIAN (Flat)

An extra early, sure bottoming, long keeping variety, yielding large crops; a favorite in warm climates where ordinary large onions do not keep well. Medium size bulbs, amber brown skin, varying shades, solid white flesh, crisp, sweet, fine, mild flavor. We offer seed of the known-Vaughan's High quality standard. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10, postpaid. By express—5 lbs., $4.75; 10 lbs., $9.00.**

STRASBURG OR LARGE YELLOW DUTCH

Larger and more flat than Yellow-Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown, and has no superior. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10, postpaid. By express—5 lbs., $4.75; 10 lbs.. $9.00.**

EARLY WHITE WELSH ONION. The best kind for green onions, forms no bulb. Plants can be propagated from seed or divisions, a great saving in cost over top sets. **Pkt., 10c; oz., 20c; 2 ozs., 35c; ¼ lb., 75c; lb., $2.60.**

EXTRA EARLY FLAT RED

One of the **handsomest red onions,** and first to ripen; grown from Vaughan's carefully cultured seed, will ripen two weeks earlier than other strains of this variety. Our experienced eastern grower has specialized on earliness and uniform ripening. Flat, good red color, medium size. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35, postpaid. By express—5 lbs., $6.50; 10 lbs., $11.50.**

EARLY YELLOW CRACKER. The earliest of the yellow flat varieties; where seasons are short, or to meet the demands of an early market, this is a very desirable sort.

It is of excellent flavor, and good keeping quality, very desirable for sets. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10, postpaid. By express—5 lbs., $4.75; 10 lbs., $9.00.**

THE BOLTON—the Onion for Sets. An early pale red variety, similar to Australian Brown, a little more uniform in color of skin and a little deeper tinge of red. It is of medium size and shaped like Flat Danvers. One of the best varieties sold. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10, postpaid. By express—5 lbs., $4.75; 10 lbs., $9.00.**

EARLY WHITE WELSH

ITALIAN ONION SEED

VAUGHAN'S PICKLING. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin—not a good keeper. Excellent for **green onions,** pickles or for immediate use when grown for large onions. Flavor, very sweet and mild. **Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., $1.85, postpaid. By express—5 lbs., $8.50; 10 lbs., $16.50.**

WHITE QUEEN. Remarkable for earliness and very mild flavor, it is small and white skinned. General favorite with pickle manufacturers. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.60. By express—5 lbs., $7.25; 10 lbs., $14.00.**

WHITE BARLETTA. Beautiful waxy-white color, much admired by housewives. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.60, postpaid. By express—5 lbs., $7.25, 10 lbs., $14.00.**

GIANT ROCCA. A large globe shaped onion. The flesh is very sweet and mild. This variety ripens evenly and does well in both Southern and Northern climates. We offer two colors, brown and yellow. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.60.**

YELLOW MULTIPLIER. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 ozs., 60c.

ONION SET PRICES are subject to market changes which vary from day to day. Latest values on quantity lots quoted on request.

ONION SETS

ONION SET CROP, 1914. On account of the drought during the season the set crop is under normal, prices moderate. Sets run small but are of extra good quality.

WHITE BOTTOMS. Our sets of these are very choice, small, dry and unsprouted. **Pt. (about 12 ozs.), 15c; qt. (about 24 ozs.), 25c; 2 qts., 45c; ½ pk., 65c; pk., $1.00; bu. (32 lbs.), $2.75.**

YELLOW BOTTOMS. Fine dry sets, medium in size and unsprouted. Fine for raising early big onions. **Pt. (about 12 ozs.), 15c; qt. (about 24 ozs.), 25c; 2 qts., 40c; ½ pk., 60c; pk., 90c; bu. (32 lbs.), $2.50.**

RED BOTTOMS. Bright, deep red in color, even and dry. Much used for raising early big onions. **Pt. (about 12 ozs.), 15c; qt. (about 24 ozs.), 25c; 2 qts., 40c; ½ pk., 60c; pk., 90c; bu., (32 lbs.), $2.50.**

SPECIAL OFFER. 1 pint (about 3 lbs.), each above three colors, **40c; 1 quart (about 6 lbs.), each, 70c.**

Egyptian or Red Perennial. This variety never forms a large bulb; its value lies wholly in its **special adaptability to produce Green Onions** for Spring or Fall use which are perfectly hardy and stay in the ground all the time. **Pt. (about 10 ozs.), 12c; qt. (about 20 ozs.), 20c; ½ pk., 35c; pk., 60c; bu. (28 lbs.), $2.00.**

WHY ONION SETS ARE PLANTED

Onion Sets produce bulbs in one-half the time that is required by raising from seed, the planter is enabled thereby to get the **highest market price** for his **early onions,** and raise a second crop the same year.

Vaughan's Hazel Size Bottom Onion Sets

Extra selected sets measure about ⅝ inch in diameter and are uniform as it is possible to grade them. Price for White, Red or Yellow, **20c a pint, 30c a quart.** Larger quantities at quart price If sent by mail add postage for 12 ozs. per pint, 24 ozs. per quart.

VAUGHAN'S CHICAGO ONION SETS

The handling of onion sets is one of the most important branches of our business. We ship out annually a great many carloads from our special onion set warehouse which has a capacity of 50,000 bushels.

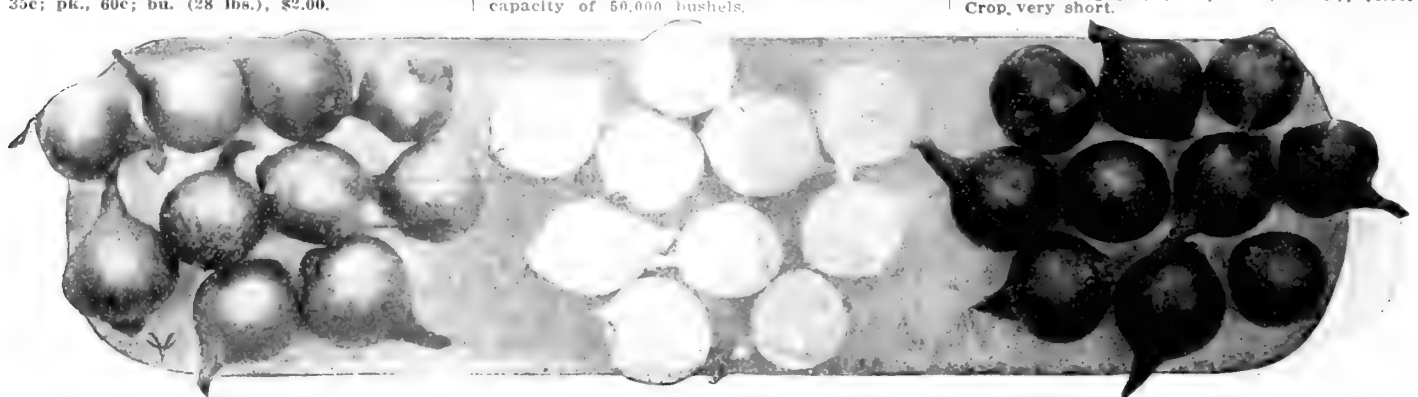
WHITE MULTIPLIERS

For **First Early Spring Bunching** Onions, they are **pure Silvery-White,** which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. The extreme earliness of this sort is most important; they are ready for table earlier than any other sort. **Pint (about 12 ozs.), 20c; quart (about 24 ozs.), 35c; ½ pk., 65c; pk., $1.10; bu. (32 lbs.), $4.00.**

Shallots or Yellow Multipliers. Flavor much superior to ordinary onion. **Pt. (about 12 ozs.), 20c; qt. (about 24 ozs.), 30c; ½ pk., 65c; pk., 90c; bu. (32 lbs.), $3.00.**

Red Spring Top Sets. These are planted to produce both early "Green Onions" and large eating onions. **Pt. (about 12 ozs.), 20c; qt. (about 24 ozs.), 35c; ½ pk., 65c; pk., $1.10; bu. (28 lbs.), $4.00.**

Yellow Potato. They produce large, dry ripe Onions, earlier than any other kind. **Pint, (about 12 ozs.), 20c; quart (about 24 ozs.), 35c; 2 qts., 60c; ½ pk., $1.10; bu. (32 lbs.), $4.00.** Crop very short.



YELLOW WHITE RED

VAUGHAN'S PEERLESS PEPPERS

VAUGHAN'S

MAGNUM DULCE

"The Salad King" of American grown sweet peppers; the largest in size, and so mild, that the sweet and piquant fruit may be eaten raw like an apple. Fried like an egg plant, it is a delicious dish.

Magnum Dulce can be grown to tremendous size, 7 inches long by 4 inches through; but to get the largest yield, instead of the largest peppers, pinch off the **"king flowers,"** the **first ones to open,** which produce the largest peppers. By the practice of pinching off the king flowers you increase the yield of medium size fruits.

Our seed is most carefully grown and selected every year. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.50.**

MAGNUM DULCE

SWEET AND MILD — THE SALAD KING

NEW SWEET PEPPER

NEAPOLITAN SALAD

This new sort ripens earlier than the "Neapolitan," which was formerly the **first pepper** of marketable size —this is a cross between Neapolitan and "Upright Sweet Salad"—**it is as** large as its namesake parent; the color is light green changing to bright red when ripe. It is a great producer, the plants being **loaded** with fruit; when ripening a mass of beautiful red and gold is the appearance they make. **Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.**

See novelty page for Giant Crimson Pepper

NEW SWEET UPRIGHT SALAD

For use in Northern states it is the best garden variety to date. Early and so mild in flavor that even the seed may be eaten raw. The fruits are of medium size, just right for stuffing and frying. In habit the bushes are of medium height and bear the Peppers upright instead of drooping, making gathering very easy. The color of the Pepper is a bright shiny green which turns to a waxen red when ripe. Early, prolific, sweet and mild, fine size, making it all together an unsurpassed sort.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

CHINESE GIANT

This variety is double the size of Ruby King; not so large as Magnum Dulce. This is the standard large Sweet Pepper. It is quite early to ripen and very productive for so large a variety. Productiveness may be increased by pinching the first or "King" blossoms which appear. They grow 4 or 5 inches broad at the top, and are of equal length. Quite uniform in size. The flesh is mild and unusually thick, and makes an excellent salad sliced and served like tomatoes. Color green changing to a glossy scarlet when ripe. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.**

VAUGHAN'S SWEET MOUNTAIN

A strong growing variety and very productive. The fruits when young are a bright, deep green color without any shade of purple; when ripe they are most handsome red. The flesh is thick and mild, though sharper than Upright Sweet Salad. The Peppers often grow 6 inches long by 4 inches through. Our seed has been very carefully selected.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.60.

RUBY KING. One of the most popular varieties; growing 4½ to 6 inches long by 3½ to 4 inches thick. Peppers are a bright ruby red and make one of the best sorts for stuffed pickles. Quite sharp in flavor; the meat is thick, crisp and tender.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.60.

FANCY WRINKLED. Quite distinct and ornamental; fine colors, pungent flavor. Used in pickles. **Pkt., 10c; oz., 30c.**

NEAPOLITAN

A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruits are of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red when ripe. **Pkt., 10c; 2 for 15c; oz., 25c; ¼ lb., 75c; lb., $2.60.**

	Pkt.	½ oz.	oz.	¼ lb.
BULL NOSE—Sweet Mountain is an improved type	5c	15c	25c	75c
CAYENNE—Long red; very hot	5c	15c	25c	75c
CAYENNE PICKLING—Dwarf; habit upright	5c	15c	25c	...
CELESTIAL—Ornamental	10c	15c	30c	80c
CHERRY—Prolific; fruit small and round; good for pickling	5c	15c	30c	80c
ELEPHANT'S TRUNK—Long, mild; bright scarlet	5c	15c	30c	...
MAMMOTH GOLDEN QUEEN—Large yellow	5c	15c	30c	80c
GOLDEN DAWN—Mild yellow	5c	15c	25c	75c
RED CHILI—Good hot pickling	5c	15c	30c	80c
RED CLUSTER—Small and pungent	5c	15c	25c	75c
SWEET SPANISH MONSTROUS—Large fruit, mild and sweet	5c	15c	30c	80c
TABASCO—Hottest of all	10c	...	...	...

Plant 1 oz. to 25 hills, 4 pounds to the acre alone, or 2 pounds with corn.

VAUGHAN'S PUMPKINS

In a small garden plant near low fence, allowing vines to climb over.

VAUGHAN'S SUGAR PIE PUMPKIN

Is so well known as the **best pie pumpkin** it requires little description. The fruit is small to medium size, with **solid fine grained flesh,** sweet, sugary, delicious flavor. They all call for **"more";** the seed cavity is small. **Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 80c.**

MAMMOTH PRIZE. A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late crop corn season to mature and should be given plenty of room (one plant to a hill) to reach its largest size.

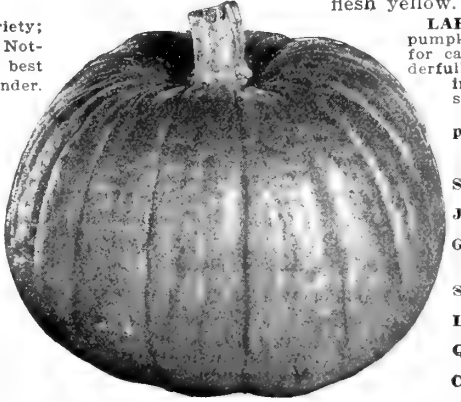
Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; lb., $1.50.

CALHOUN. Medium in size, solid and of excellent quality. Skin of cream color; flesh salmon yellow. A fine pie variety.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 85c.

WINTER QUEEN OR WINTER LUXURY. Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange yellow with a very close netting almost as russeted as a potato.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 85c.



VAUGHAN'S SUGAR PIE PUMPKIN

LARGE CHEESE

Of large size, shape flat like a Cheese box, very productive. Keeping quality excellent and extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.**

LARGE FIELD OR "BIG TOM." The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruits average fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange yellow flesh.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 45c. By express: lb., 35c; 10 lbs. or more at 30c per lb.

	Pkt.	oz.	¼ lb.	lb.
SMALL SUGAR. Flat sort, good for the home garden	.05	.10	.20	.70
JAPANESE PIE. Finest quality, good keeper	.05	.10	.30	.90
GOLDEN OBLONG. Orange color. Flesh yellow, excellent flavor	.05	.10	.25	.80
SWEET POTATO. Bell shaped. White flesh. Used for pies	.05	.10	.30	1.00
LARGE TOURS OR MAMMOTH FRENCH. Very large size	.05	.10	.30	.90
QUAKER PIE. Pear shaped. Rich flavor and good keeper	.05	.10	.30	.90
CUSHAW, WHITE OR STRIPED. Popular Southern sort, fine flavor	.05	.10	.30	.80

VAUGHAN'S MAMMOTH OR LARGE SWEET, SEE NOVELTY PAGES

NOTT'S EXCELSIOR

NOTT'S EXCELSIOR
The Most Popular Early Dwarf Pea, Excellent Quality, Prolific.

For a description of Pioneer Pea See Novelty Page.

VAUGHAN'S

EARLY AND MAIN

PEAS AND PROFITS. During thirty-six years of supplying the best in SEEDS, and OTHER REQUISITES to SUCCESSFUL GROWERS of agricultural and horticultural products, we esteem it a privilege as it is also a pleasure, to know that the buyers of Vaughan's seeds, bulbs, etc., have been among the LARGEST PROFIT MAKERS of any engaged in the business. Vaughan's VARIETIES of best standard PEAS presented on these pages are PROFIT MAKERS—buy the BEST PEAS. Make the BIG PROFITS.

SUTTON'S EXCELSIOR

NOTT'S EXCELSIOR

Of the **Dwarf early** peas, Nott's Excelsior has properly led all others in poularity. They are almost as early as the **round seeded** varieties, being only two or three days later, but far superior to **them in quality.** The vines grow about 15 inches high, which bear **heavy masses** of blunt pods, about 3 inches long, each pod containing five to seven peas of good size; they are tender, and delicious to eat, of very **prolific growth,** excelling "American Wonder" and Little Gem, in this respect; they are easily raised—require no brushing and are most desirable for the home garden. They are planted extensively by market gardeners. Buy Vaughan's Strain, and you'll have a most satisfactory stock of this sort. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

AMERICAN WONDER

Is an Extra Early **Wrinkled Pea,** a dwarf of standard **high quality.** Vines 10 to 12 inches high, dwarfer than "Nott's Excelsior," usually matures a day or two in advance of Nott's, develops **firm,** well **filled** pods. Very prolific, almost as heavy a yielder as Nott's Excelsior. This is a home garden variety of the highest class—for succession plant each week—vines require no support or brushing during growth. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

SUTTON'S EXCELSIOR

A new **First** Early **Dwarf Wrinkled** Pea, and regarded by some as the leader and **best** of the **class.** Vines 18 inches high, pods are square at the lower end, they are larger and broader than the usual dwarf peas, and light-green color. This is a very hardy sort, which permits **early planting.** Sutton's Excelsior is a very heavy yielder—season is two days later than "Nott's Excelsior." The excellent quality, size of pods, heavy yield and hardiness, secure for **Sutton's Excelsior** preference from many gardeners, over the large podded tender tall sorts. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 40c; ½ pk., $1.20; pk., $2.25; bu., $8.00.**

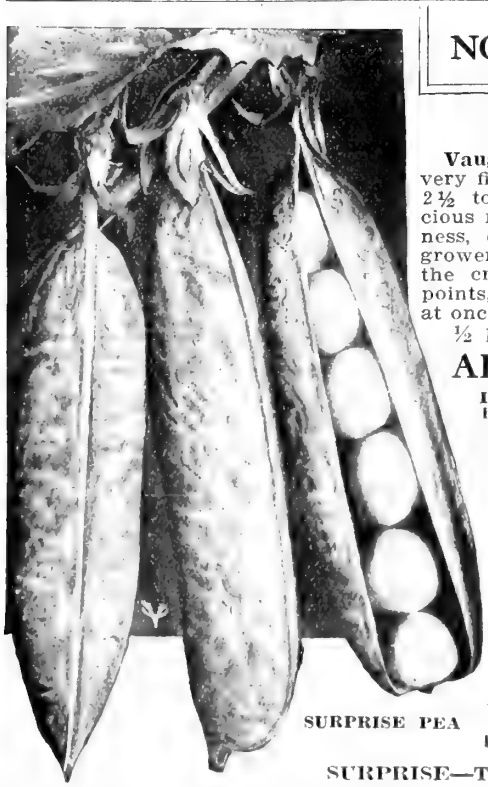
PREMIUM GEM

This early dwarf wrinkled pea is not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no brushing. The pods develop in great quantity, are three inches long, containing peas of fine quality, flavor, and give satisfaction. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

THREE SUPERB NEW PEAS

Laxtonian (the new Dwarf Gradus). Little Marvel (an improved Nott's Excelsior). Vaughan's Exhibition (largest of all peas).

NORTHERN GROWN EXTRA EARLY



SURPRISE PEA

MAUD S.

Vaughan's Selected Extra Early; an excellent strain of a very fine variety. The vines are 20 to 26 inches high, the pods 2½ to 3 inches long, they hold 5 to 7 peas each. The delicious rich flavor and sweetness, the tender quality and smoothness, of Vaughan's Maud S. is well known to many satisfied growers and consumers. The seed is white, round and smooth, the crop ripens evenly and extra early, two most important points, viz.—first in the **market;** with your crop all harvested at once. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 75c; pk., $1.40; bu., $5.50.**

ALASKA, CALLED EARLIEST OF ALL

In season same as "Maud S." Alaska and "Maud S." are, in all but color, the same. Alaska seed is bluish in color; it is standard for market and canning, and Vaughan's strain is true to type, and always gives the results in growth, which only the **best seed** can produce. Round seed peas do not rot in cold ground so easily as wrinkled peas do, hence earlier planting and harvesting are possible. If you plant Vaughan's strain of Alaska peas—you plant the **best** in growing quality. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 75c; pk., $1.40; bu., $5.50.**

EARLY AMEER

A rather old variety, which has lately become very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early, 2 or 3 days later than Alaska, and the pods are almost twice as large, and hence command a high market price. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

VELOCITY

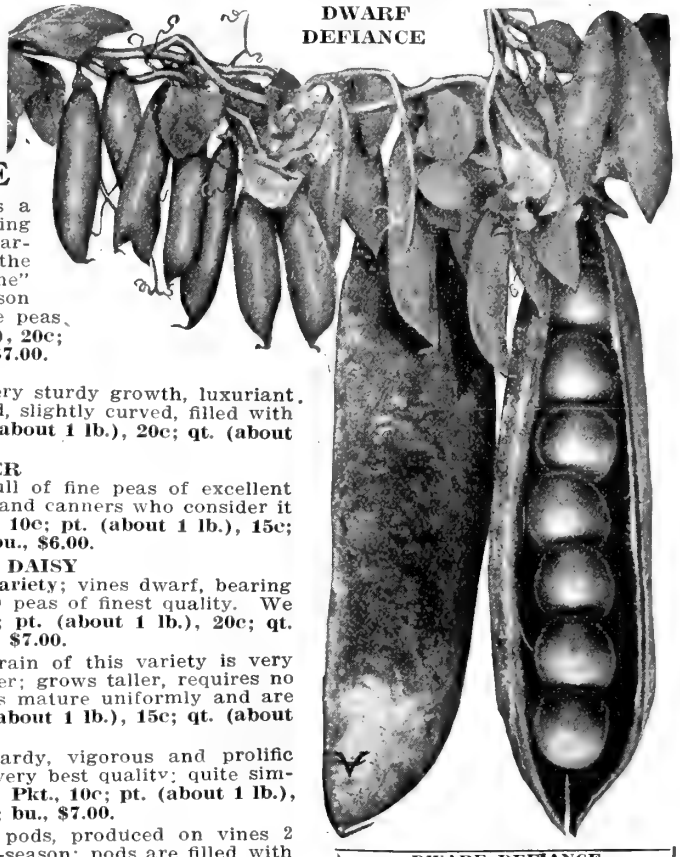
Similar to "Alaska," but with smaller vines and pods. Small round bluish seed of fair quality; a week **earlier** than Alaska—in fact the earliest pea at present. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

SURPRISE—The Earliest Pea of Quality

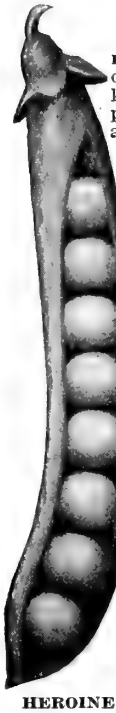
The earliest of **all sweet wrinkled peas.** In season two days later than Alaska. Being a wrinkled pea it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S., because not so hardy. Vines grow 24 inches high and require no brushing; the pods are of good size and are produced in medium prolific quantity, and are filled with peas of choice quality, much like Notts Excelsior in flavor and sweetness. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

ALASKA or EARLIEST OF ALL

DWARF PEAS


DWARF DEFIANCE

CROP VARIETIES— NO BRUSHING REQUIRED


HEROINE

VAUGHAN'S DWARF DEFIANCE

Claims the attention of pea growers, because as a **main crop** variety, it has success and profit making qualities unsurpassed by any strain offered on the market. A splendid **mid-season** or **second early sort**; the pods are immense in size and fulness, like "Telephone" and have no superior in quality, will bear comparison with any tall sort. The pods are dark green, the peas sweet and rich flavored. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

HEROINE

A main crop dwarf pea extremely prolific, of very sturdy growth, luxuriant foliage, vines 2½ feet high. Pods are long-pointed, slightly curved, filled with sweet, luscious, rich flavored peas. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

McLEAN'S ADVANCER

Very productive vines 2½ feet high, pods full of fine peas of excellent quality, a great favorite with market gardeners and canners who consider it the best producer of the mid-early sorts. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 85c; pk., $1.60; bu., $6.00.**

DWARF TELEPHONE OR DAISY

A splendid dwarf pea, mid-season maturing variety; vines dwarf, bearing large, bright green pods, each containing 7 to 9 peas of finest quality. We offer a high class re-selected stock. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

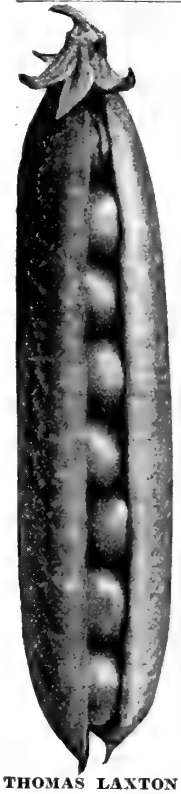
HORSFORD'S MARKET GARDEN. Our strain of this variety is very popular with growers. It is later than Advancer; grows taller, requires no brushing, and is a heavier producer. The pods mature uniformly and are filled with peas of fine quality. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 75c; pk., $1.60; bu., $6.00.**

JUNO. Main crop dwarf **wrinkled** pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 9 peas of very best quality; quite similar to "Dwarf Champion" listed in other catalogs. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

IMPROVED STRATAGEM. Long dark green pods, produced on vines 2 feet high, of strong vigorous growth; matures mid-season; pods are filled with wrinkled peas of immense size, and delicious sweetness and flavor. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75;bu., $7.00.**

DWARF DEFIANCE
Immense Pods and Unsurpassed Quality.

TALL SORTS DO BEST WHEN BRUSHED


THOMAS LAXTON

GRADUS

To eat Gradus Peas is to enjoy all the luscious sweetness and rich flavor, combined with melting tenderness of the finest butter you can imagine. Gradus is the **greatest of the wrinkled pea varieties**, it is large and handsome as well as delicious. A table luxury and delight which retains its attractiveness, beautiful color and fine appearance after being cooked. It is the most popular of all the **extra early wrinkled peas.** It is tender and should be planted in the warmest spot in the garden, it blooms forth and matures within two or three days after the small round extra early sorts. Vines 30 inches high, pods 4 inches long or more, beautiful green color, and 10 or more rich, plump, fine peas in each pod. **Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 45c; ½ pk., $1.25; pk., $2.25; bu., $8.50.**

THOMAS LAXTON

This is a product of the Gradus Strain, the season is identical with Gradus, the pods are square at the end and deeper green color than the parent strain. Vines are 3 to 3½ feet high and may be grown with or without brushing, the main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for the home garden. A better yielder than Gradus. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 40c; ½ pk., $1.20; pk., $2.25; bu., $8.00.**

VAUGHAN'S NEW LATE GRADUS

This is a special Gradus pea bred to fill a special place and time. It comes in between the last of the Gradus and first of the Telephone; it possesses all the attractiveness and fine qualities of the earlier Gradus with the productiveness of the later sorts. The handsome appearance of this new variety secures for it ready sale at the best **earlier sort** prices, it is a most important introduction for market gardeners as well as for the home garden. **Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 45c; ½ pk., $1.25; pk., $2.25; bu., $9.00.**

SUCCESSION OF DWARF PEAS.

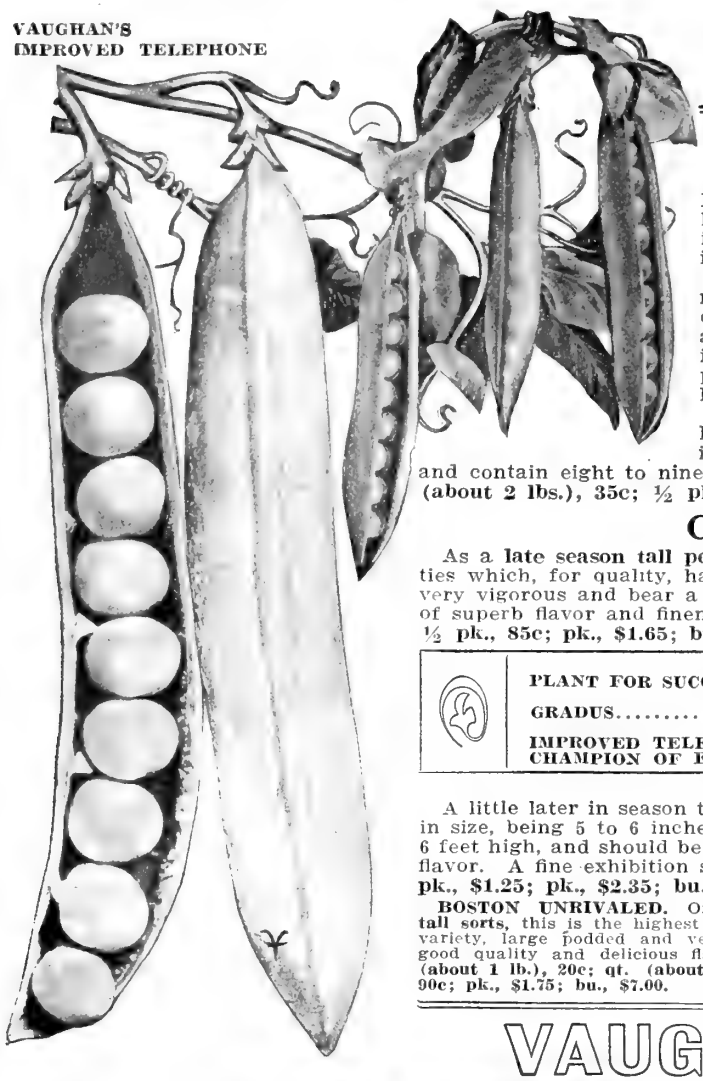
Sutton's Excelsior. Dwarf Defiance. Heroine.

Planted at one time they will ripen successively.

No.		Postage Weight	At Buyer's Expense
1	**1 pkt. each 25c (prepaid)**		
2	1 pint each	3 lbs.	.50
3	1 quart each	6 lbs.	.95
4	½ peck each		2.75

GRADUS OR PROSPERITY

VAUGHAN'S IMPROVED TELEPHONE



VAUGHAN'S

VAUGHAN'S IMPROVED TELEPH ONE

Of the tall main crop varieties of peas we consider Vaughan's Improved Telephone the best sort for general purposes. In the home vegetable garden its heavy yields and excellent quality give it value, and also the fact that it does well even without bushing or support.

For the market gardener it has especial features—productiveness (there is no variety which bears a larger crop either of pods or peas)—uniformity of type—producing a crop maturing evenly and hence requiring few pickings—great, big pods which run alike in size and hold their appetizing dark green color, a color which presents a marketable appearance several days longer than the light podded peas.

Vaughan's Improved Telephone is a tall pea—growing four feet high, in season a main crop sort; the pods are dark green in color in favorable seasons they measure five inches and over in length and contain eight to nine large peas in a pod. **Pkt., 10c; pt. (about 1 lb), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

CHAMPION OF ENGLAND

As a **late season tall pea** holds rank as the best; it is one of the old standard late varieties which, for quality, has not been surpassed. The vines grow about five feet high, are very vigorous and bear a big crop of good size pods completely filled with delicious peas of superb flavor and fineness. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

PLANT FOR SUCCESSION.		Postage Weight	By Express at Buyer's Expense
GRADUS	1 pkt., each..25c (postpaid)	....	....
	1 pint, each	3 lbs.	.50
IMPROVED TELEPHONE	1 quart, each	6 lbs.	.95
CHAMPION OF ENGLAND	½ peck, each	....	2.75

QUITE CONTENT

A little later in season than Vaughan's "Improved Telephone;" the pods are exceptional in size, being 5 to 6 inches in length, so it is the largest podded pea. The vines grow 5 to 6 feet high, and should be brushed; they are long yielding, the peas are large and of fine flavor. A fine exhibition sort. **Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 45c; ½ pk., $1.25; pk., $2.35; bu., $9.00.**

BOSTON UNRIVALED. Of the **light colored tall sorts,** this is the highest type. A mid-season variety, large podded and very uniform, peas of good quality and delicious flavor. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

TELEPHONE. The pods are **light** instead of **dark** green color, and are quite as uniform as our improved varieties. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

VAUGHAN'S PARSLEY

HANDSOMEST OF ALL VARIETIES

VAUGHAN'S XXX PARSLEY

VAUGHAN'S XXX PARSLEY

Beauty is of prime importance in a curled parsley, and in Vaughan's XXX we offer the most exquisite and perfect of all garnishing varieties. The delicate, tender leaves are tightly but daintily curled and the dark, rich green color lends a zest to a well laid table.

Vaughan's XXX grows very dwarf in habit and in the garden is really ornamental—some of our customers have used it as a neat and very pretty border plant. Its dwarf growth also makes it valuable for growing in the hot bed, green house, or in pots in the winter time—using but a minimum space. The flavor is piquant and pleasing.

Vaughan's XXX parsley was chosen from many trials and after a careful inspection trip through the seed growing sections of Europe—as by far the handsomest and best colored parsley yet introduced.

Pkt., 10c; 2 pkts., 15c; oz., 20c; ¼ lb., 50c; lb., $1.35.

CHAMPION MOSS CURLED. In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves being so crumpled and curled they have the appearance of curled moss; the color is rich green, the plant is quite hardy, slow to run to seed and may be grown in pots or window boxes. As a parsley for garnishing dishes, and for flavoring purposes, it is held in high favor by many, because of its pretty leaves and aromatic flavor. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 85c.**

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 85c.**

FERN-LEAVED. Leaves so nicely and delicately cut as to resemble the frond of a fern. Good green color and nice flavor. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 85c.**

PLAIN. The leaves are not curled, however, the flavor is excellent and plant is very hardy. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 85c.**

HAMBURG ROOTED or GERMAN PARSLEY. The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

GROW GLADIOLUS FOR CUT FLOWERS

Our Mr. Vaughan found in England, near London, last summer, an increasing tendency to sell flowers with vegetables. The same markets that dispose of all garden truck were selling beautiful flowers of Lilies, Dahlias and Gadioli. It is also true that here in this country as well many market gardeners are growing Gladiolus flowers, disposing of them at summer homes for good prices. The availability of Gladiolus Bulbs for this purpose is marked. The bulbs aready contain the young flower stalks and flower in 8 to 10 weeks from planting. We have raised on our own farms many thousands of the best selling kinds of these flowers and offer them cheaper than they have been previously sold. See pages 14-16, and special offer, page 11.

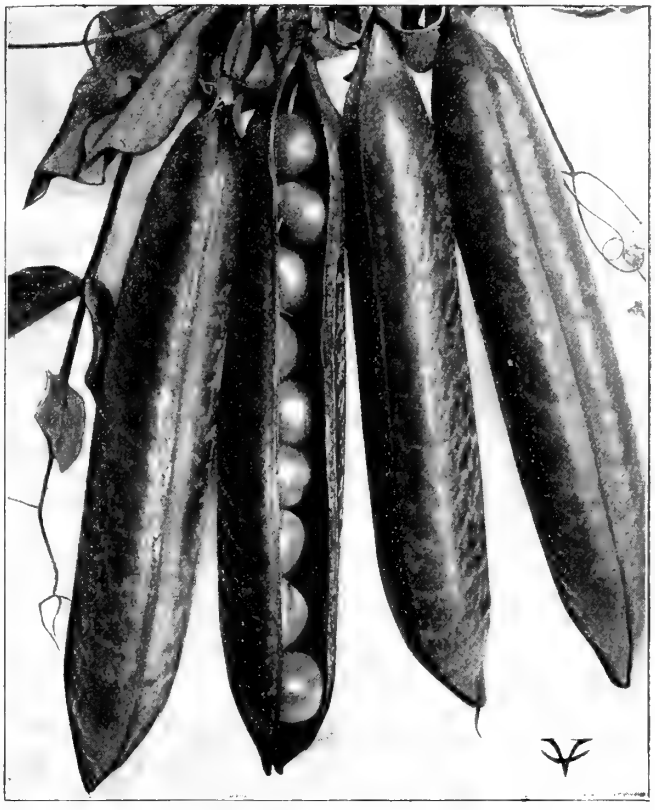
I have added Gladiolus bulbs, grown for cut flowers, to my truck garden and with good profit. I have sold from 1,500 doz. to 2,000 doz. per year at substantial prices.
T. W. WHITE, Red Bank, N. J.

TALL GROWING PEAS

A New Era in Dwarf Peas. See Novelty Page.

PRINCE EDWARD

"PRINCE EDWARD," ONE OF THE LARGEST PODDED PEAS



This is an English strain of the Telephone type, selected and bred especially for size of the pods, which are so large, they are truly magnificent—see illustration. For exhibition purposes this variety is a splendid one; but large size and good quality are blended in this strain, the peas have fine grain and splendid flavor. The vines bear heavy crops. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

ALDERMAN. This mid-season pea is tall growing, of English origin, and a few days later than Vaughan's "Improved Telephone." The pods are very large, straight and dark green color. The vines are exceedingly vigorous and immensely prolific, the peas are of the best quality. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

LONG ISLAND MAMMOTH. Known also as Telegraph. Later than Telephone, of which it is regarded as a strain, with smooth seeds. The pods are not so large nor the peas of as good quality, but the vine is hardier than Telephone. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

EVERBEARING. For late summer and autumn; very prolific variety. Pods about 3 inches long, with large peas of good quality. **Pkt., 10c; pint (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

YORKSHIRE HERO. An old standard variety; vines medium tall produce a crop of fine, broad, well filled pods. The peas are wrinkled, sweet, large and remain in good condition for eating a long time. A great favorite on the Pacific Coast. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 85c; pk., $1.60; bu., $6.00.**

BLACK EYE MARROWFAT (Late). A great yielder of ordinary quality peas. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 75c; pk., $1.40; bu., $5.00.**

WHITE MARROWFAT. Similar to Black Eye. Popular heavy yielder. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 75c; pk., $1.40; bu., $5.50.**

EDIBLE POD PEAS

DWARF GRAY SUGAR. 15 to 18 inches high; pods purple; large and eaten like string beans. **Pkt., 10c; pt., (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.15; pk., $2.00.**

LUSCIOUS SUGAR. Tall growing strain of above. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.15; pk., $2.00.**

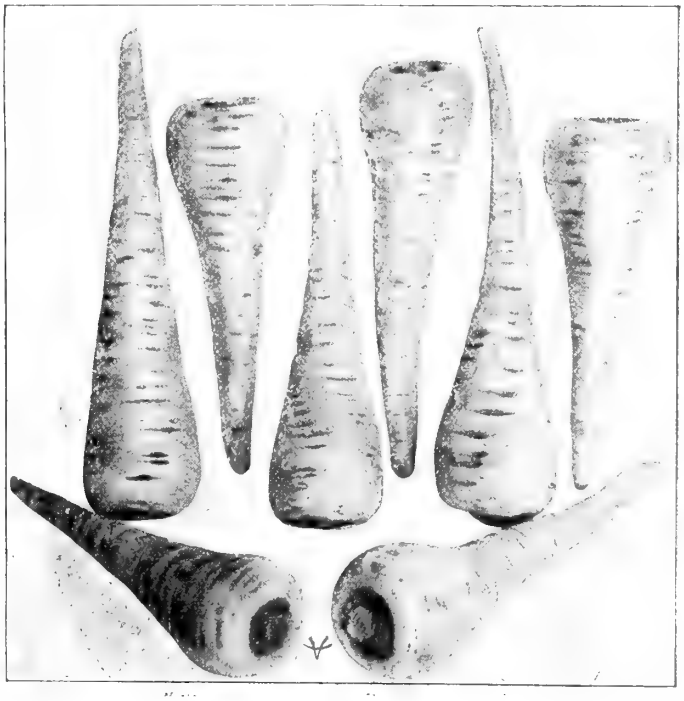
MAMMOTH PODDED SUGAR. A late, large sugar pod pea. Vines 4 to 5 feet high. The best quality sugar peas. Pods 5 to 6 inches long, thick and fleshy. A delightful dish, cooked as string beans. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 40c; ½ pk., $1.25; pk., $2.25.**

VAUGHAN'S PARSNIPS

Parsnip seed usually comes unevenly. Should be sown as early as possible in spring. Cover one-half inch deep and roll.

VAUGHAN'S MARROWFAT PARSNIP

HANDSOMEST AND BEST—VAUGHAN'S MARROWFAT.



The illustration on this page, of Vaughan's famous Marrowfat parsnip, gives a good idea of the fine shape, uniform good size, clean, smooth skin and general handsome appearance, of this most popular, best flavored parsnip. This variety is superior in richness of flavor to all others when cooked. It is a winner at exhibitions. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

Parsnips are healthful as well as delicious.

MAGNUM BONUM. A greatly improved strain of "Hollow Crown" parsnip. As a money maker for market men we recommend it; it is a heavy cropper, the roots are smooth but not so long, though somewhat thicker than the original, which makes them easier to harvest. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

HOLLOW CROWN, LONG SMOOTH. (Abbott's Improved). Smooth, large, tender and sugary; one of the best. Our stock is very fine. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

IMPROVED GUERNSEY. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long, the roots are more easily gathered. This sort gives general satisfaction, having good quality. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

VAUGHAN'S NEW INTERMEDIATE. This new sort does not require the depth of soil for its cultivation that is necessary for the older varieties. Although equal in quality and flavor to the old sorts the roots of this variety are only one-half to two-thirds as long when grown under ordinary conditions. On heavy or clay soils Intermediate is especially valuable. During the past few years of drought, the Intermediate, of all varieties, yielded the heaviest, made the best looking roots, and was the easiest to harvest. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

VAUGHAN'S SPECIALS
BEANS, ONIONS, CABBAGE, CORN

All grown under the most favorable conditions for each variety. Read about "Seed Insurance" on inside back cover.

WOODBURY'S WHITE ROSE

VAUGHAN'S

EARLY AND MAIN CROP VARIETIES

Vaughan's Early Seed Potatoes have for over thirty years been the standard of quality. Vaughan's Improved Red River Grown Ohio has been for years and is now the best first early. The last few seasons have been unfavorable for first early potato crops, and there has been an increasing demand for second early and medium season varieties which outyield the first earlies, but still command the high early market prices.

VAUGHAN'S WOODBURY'S WHITE ROSE

Is an early potato of such merit that it should appeal to every grower who aims to supply an **early market**, and **make money** for his work. "Woodbury's White Rose" is a seedling from "Early Rose," to which it is superior in quality. It is not a round but rather kidney shaped pure white potato, not too long but finely shaped, has shallow eyes, which makes peeling easy and with less waste. The vine is vigorous and a **good resister of early blight, the yield is double** that of other early varieties; its pure white skin and flesh, elegant appearance and big yield, together with other fine qualities, offers opportunities that are worthy of attention. On light soil this variety is particularly good. **½ peck, 40c; peck, 65c; ½ bu., 90c; bu., $1.65; sack (165 lbs.), $4.10; bbl., $4.35; 10 bu., $14.00.**

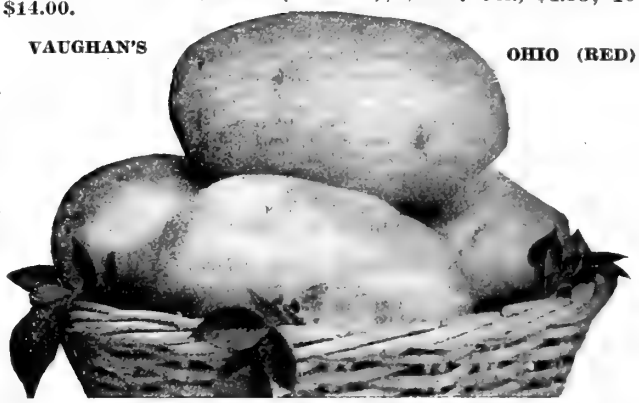
VAUGHAN'S IMPROVED EARLY OHIO (RED)

Is a week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable—in the Red River Valley of Ohio, the **natural home** for high-class potato seed. This standard variety is well known to growers, who find it superior to other strains. In the middle west Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected. It is the favorite of large market growers. **½ pk., 35c; pk., 65c; bu., $1.50; sack (165 lbs.), $3.75; bbl., $4.00; 10 bu., $13.00.**

VAUGHAN'S WHITE OHIO

This is the most popular first early white potato. A sport from Red Ohio and very similar to that sort, except in color. An excellent sort for the home garden. **½ pk., 40c; pk., 70c; ½ bu., $1.00; bu., $1.75; sack (165 lbs.), $4.50; bbl., $4.75.**

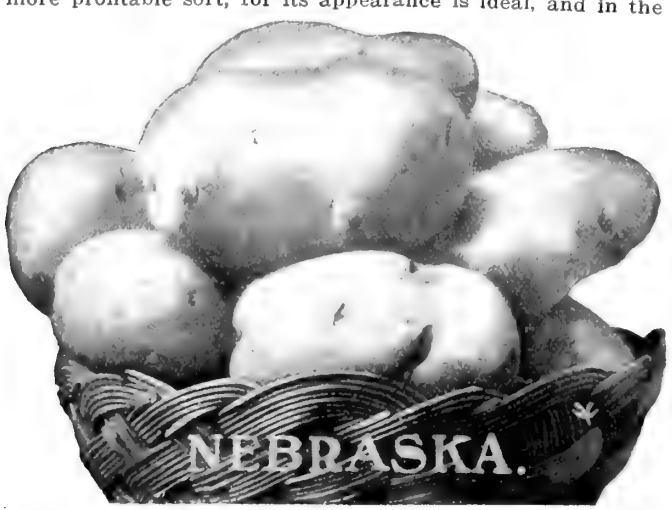
VAUGHAN'S OHIO (RED)



VAUGHAN'S MAIN CROP VARIETIES

NEBRASKA—The Best of all Rural Type Potatoes

This is a potato with an excellent record; from experienced growers and experiment stations we have had the most flattering reports. It is the heaviest cropping main crop flat white potato. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years the Nebraska has out-yielded such kinds as Carman, Sir Walter Raleigh and Rural New Yorker, Beauty of Hebron, etc. The vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carman or Rural Type; size larger and quality superb. To grow for market there is no more profitable sort, for its appearance is ideal, and in the home garden its high quality meets the demands of the most critical. **½ pk., 35c; pk., 65c; bu., $1.50; sack (165 lbs.), $3.85; bbl., $4.10; 10 bu., $13.50.**



OTHER RURAL TYPES

CARMAN NO. 3. One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. This characteristic applies also to Rural New Yorker and Sir Walter Raleigh. Carman No. 3 grows to the largest size of these sorts. Our seed has been very carefully selected and given the best soil for a number of years. **½ pk., 35c; pk., 55c; bu., $1.40; sack (165 lbs.), $3.50; 10 bu., $12.00.**

RURAL NEW YORKER NO. 2. The standard white market potato. It is very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable. Known everywhere as "Dusty" Rural. **½ pk., 35c; pk., 55c; bu., $1.40; sack (165 lbs.), $3.50; 10 bu., $12.00.**

SIR WALTER RALEIGH. An A1 late potato. A seedling of Mr. Carman's, whose work on potatoes has become famous. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. (Read our description of Rural.) Exceedingly fine grained and white fleshed, equaling the old Snowflake quality. **½ pk., 35c; pk., 55c; bu., $1.40; sack (165 lbs.), $3.50; bbl., $3.75; 10 bu., $12.00.**

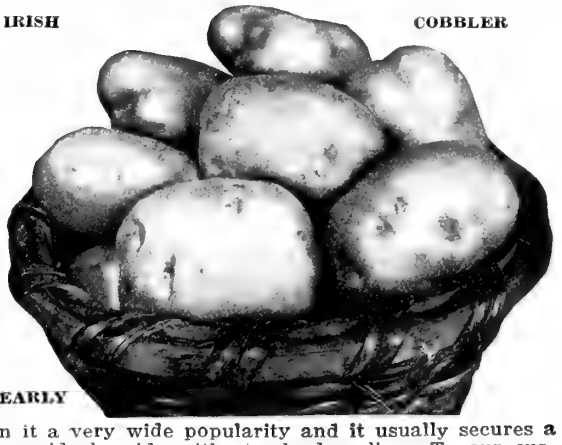
GREEN MOUNTAIN. After careful trials we list this as the most desirable of the cylindrical potatoes. It is especially suited for loose soils or muck land. As the tubers set rather deep—this habit is detrimental on heavy or clay lands where the crop is liable to run undersized. On loam the tubers run uniformly large and slightly irregular in shape. Green Mountain is a hard potato to beat for eating quality; they cook dry and mealy with a particularly fine flavor. Under favorable conditions this is an immense yielder; the tops are large and branching with light green leaves and white blossoms entirely distinct from the Rural Type varieties. **½ pk., 35c; pk., 65c; bu., $1.50; sack (165 lbs.), $3.85; bbl., $4.10; 10 bu., $13.50.**

POTATOES

GROWN IN THE FAR NORTH

We are able to offer three valuable sorts in this class—Irish Cobbler, first introduced in the West by Vaughan's Seed Store, which in some sections ripens almost along with Early Ohio; Vaughan's Dearborn, also our introduction, a very early round sort and a tremendous yielder, and Woodbury's White Rose, our introduction, a very heavy yielding second early, ripening in the order named. No grower of early potatoes will go wrong in trying any one of these sorts.

Our prices are f. o. b. Chicago, purchaser to pay transportation charges. Add 50c per sack and 20c per bushel if shipped from New York.



IRISH COBBLER

IRISH COBBLER A HEAVY CROPPING EARLY

Is a grand early potato of medium large size, and in light soil does its best for earliness, in which it matures almost as early as the smaller cropping Earlies. The demand for more early potatoes makes a virtue of the necessity to plant varieties that yield bigger crops than the Earlies which yield small crops. Irish Cobbler, although not so fine-grained in flesh as some other sorts described here, yet it is always a very popular seller. Its size, shape, good quality and elegant appearance have given it a very wide popularity and it usually secures a better price, side by side with standard earlies. To our customers who find it necessary to cater to a growing demand for more Early potatoes we commend this sort as a money maker and trade winner. Our seed is grown in Red River Valley, Ohio, and is superior to other strains grown elsewhere. **½ pk., 35c; pk., 65c; bu., $1.50; sack (165 lbs.), $3.75; bbl., $4.00; 10 bu., $13.00.**

ACME. A potato of the Ohio type, in fact, similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. Splendid for both market and amateur gardeners. **½ pk., 35c; pk., 65c; bu., $1.50; sack (165 lbs.), $3.75; bbl., $4.00; 10 bu., $13.00.**

BLISS OR RED TRIUMPH. For more than a decade this has been the standard early Potato in the South. It is a round reddish skinned Potato; rather deep eyes and of medium size. As they appear early in the spring on the Northern market they are very attractive and, of course, command a large premium over the old stock. **½ pk., 35c; pk., 65c; bu., $1.60; sack (165 lbs.), $4.10; bbl., $4.35.**

VAUGHAN'S DEARBORN. The heaviest yielding second early. A round potato of blocky appearance something like the Irish Cobbler but flatter. In season less than a week later than Cobbler and a twenty-five per cent better yielder. A fine sort wherever Cobblers do well. **½ pk., 40c; pk., 70c; ½ bu., $1.00; bu., $1.75; sack (165 lbs.), $4.50; bbl., $4.75; 10 bu., $16.00.**

SWEET POTATOES

GROWN ESPECIALLY FOR SEED

We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, Early Carolina and Nansemond.

	¼ Bu. Boxed.	Bu. Boxed.	Bbl.
Yellows	$0.75	$2.00	$5.00
Reds	1.00	3.00	6.00

3 bbl. lots., 25c per bbl. less.

IRON AGE POTATO MACHINERY

We take pleasure in recommending to our customers the "Iron Age" Potato tools, as we know they will give unqualified satisfaction. We can supply the Planter, Sprayer and Digger, and as our space here is too limited to give detailed description, we will mail illustrated catalogue on application which will give full details.

Iron Age Potato Planter 400L or 404L, with Fertilizer Distributer $85.00
Iron Age Potato Planter 400 or 404, without Fertilizer Distributer 75.00
Iron Age Potato Digger No. 125 ..... 95.00

VIGOROUS GROWTH--TRUE TO TYPE

NEW POTATO VAUGHAN'S KEYSTONE

VAUGHAN'S KEYSTONE POTATO

This new sort we believe the quality superior of any other late white potato now being offered. The skin of Keystone is finely netted (a sure sign of quality), crops dry and mealy, and is almost pure white color, not the brownish white of most varieties. The shape is long and tapering with shallow eyes—this with the pure white color, when grown in light soil, produces a beautiful appearing potato. Besides its quality and fine appearance Keystone yields with any of the heavy yielding late sorts and the past dry summers on our Michigan Farms, surpassed all of the rural types—like Carman No. 3 and Sir Walter Raleigh, as to crop. The vine habit is bushy, rather than tall, and does not spread in the row, allowing late cultivation without vine injury.

½ pk., 40c; pk., 70c; ½ bu., $1.00; bu., $1.75; bbl., $4.75.

RUSSET RURAL OR PETOSKEY POTATO

A superb variety of recent introduction and considered by the raiser to be away ahead of any other late potato. Remarkable on account of its freedom from disease. This variety has been carefully tested side by side with other late sorts and the results of the trials serve to strengthen our high opinion of its merits.

Russet Rural is not only an excellent yielder but takes the lead in all directions.

It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for the excellence of their cooking qualities.

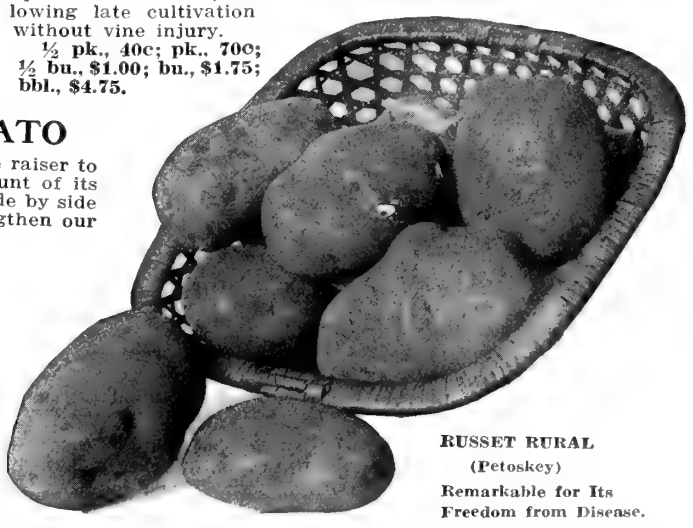
When dished up the long tubers present a delightful appearance by reason of their superb whiteness. There is practically no waste in peeling as the eyes are almost on the surface of the potato. The tubers are uniform in size and each plant yields above the average of salable potatoes.

½ pk., 35c; pk., 65c; bu., $1.50; sack (165 lbs.), $3.75; bbl., $4.00; 10 bu., $13.00.

Cook Co., Ill.

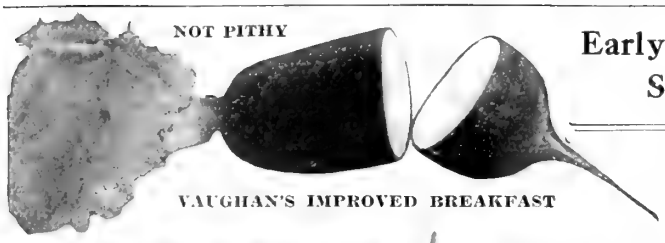
"On our heavy clay soil, Vaughan's Nebraska Potatoes have always out-yielded any other sort we have ever planted."

CHAS. REEDER.



RUSSET RURAL (Petoskey)

Remarkable for Its Freedom from Disease.



VAUGHAN'S IMPROVED BREAKFAST

Early Sorts

VAUGHAN'S

VARIETIES Vaughan's Seed Store lists on these pages a splendid line of radishes that are really high class in appearance and quality, and recommend them to growers in the full knowledge and confidence that these radishes are not surpassed by any strains sold on the market.

Radishes are a great specialty with us and the care we bestow upon their culture to secure the best seed it is possible to buy, has established a great

EARLY SCARLET GLOBE (F)

For greenhouse or hot-bed forcing and for out-of-doors. Very early, mild, crisp and tender, one of the most attractive, best selling radishes. It is very handsome, rich, bright scarlet color, thoroughly sound and of fine quality, it is a great favorite; it resists heat without becoming pithy, and is ready in twenty-five days. This sort is not desirable for hot summer planting as it loses its shape—it is an **early radish** and as such gives entire satisfaction.

Vaughan's Scarlet Globe Radish should be planted in every garden, for market as well as for home use—plantings for home use should be made every ten days.

Our stock is the **very best**, selected with greatest care **for size, shape, color** and **earliness**; market gardeners find it a big **money-maker**. Vaughan's Selected Stock—**Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 90c; 5 lbs., $3.75; 10 lbs., $7.50.**

VAUGHAN'S SELECT SCARLET GLOBE

VAUGHAN'S CARDINAL FORCING

The handsomest forcing globe radish, splendid to market. The shape, is more even than Scarlet Globe, the color is a richer dark red, it is larger and ready to market 3 days earlier. Flesh is firm, quality finest. Best for early home garden sowing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EARLY SCARLET GLOBE. White Tip. Best and quickest of the White Tips. Fine quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

VAUGHAN'S ALL SEASONS. May be sown from Spring to Autumn and used at all stages. Round, scarlet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

"CRIMSON GIANT" (F)

For forcing or outdoor planting. A new type, more than double the size of other forcing varieties; and does not get pithy or hollow. It is very early, although it is so large, the skin is crimson red, flesh pure white, crisp, sweet, tender. Sow seed thinly to allow root development. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

IMPROVED BREAKFAST

Scarlet Globe Regular: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLIEST CARMINE TURNIP (F)

The best and quickest all red turnip shaped radish. Matures in about three weeks. Splendid for forcing under glass, is crisp, tender and sweet. Skin is a deep crimson red, leaves are very short; for the home garden this is one of the best varieties for out-door planting. **Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 80c.**

EARLIEST WHITE TURNIP (F)

Fine for forcing or open ground. Short top, very thin tap root. The earliest white turnip shaped radish; excellent flavor. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.**

TRIUMPH. A useful sort, skin handsomely striped and mottled scarlet and white, very attractive, very early, short top, good quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

BRIGHTEST LONG SCARLET

An excellent sort for the home garden, a combination of beauty and quality. Brightest scarlet color upper part and **pure white long tips**, the handsomest long red radish on the market, and the best seller. Twenty-five days after planting it is usually ready for the table. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.**

LONG SCARLET SHORT TOP

A standard variety of long red radishes, straight and smooth; grows partly above ground, develops long roots that are tender, crisp and sweet. Fine for the home garden.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WOOD'S EARLY FRAME. This is an early forcing strain of the long scarlet, short top, selected especially for growing under glass for use in frames. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

HALF LONG DEEP SCARLET. A half long deep scarlet radish; is grown much in the south for early shipment; is also good for forcing; in quality it is brittle and juicy. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

Don't Sow Winter Sorts Until Late June.

LONG AND

VAUGHAN'S MARKET. The best early half long white radish, tender, delicate, brittle and fine flavored, resembling the Strassburg in size, but quicker growth. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

CINCINNATI MARKET. A long red radish, white tip, short top. A standard in some parts of the South. Good quality. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer.

IMPROVED CHARTIER. Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

LONG WHITE VIENNA. Snow white, very brittle and crisp. A long, handsome radish. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

WHITE STRASSBURG. Of somewhat larger size and thicker than Vienna. Very solid. An excellent market variety. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

STUTTGART. A turnip shaped, large white radish. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

WINTER RADISHES

Do not sow these until the latter part of June.

THE MUNICH. The German favorite. The radishes are white and grow from 6 to 8 inches in length; are broad at the shoulder, have a white thin skin; grow thickly; have mild and delicious flavor.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Each of the following: Pkt., 5c; oz., 10c, except where noted.

	¼ lb.	lb.
CALIFORNIA MAMMOTH WINTER. Long, very large size..	$0.20	$0.70
ROSE OR SCARLET CHINA. Rose color, medium size, fine keeper	.20	.60
CHINESE MAMMOTH OR CELESTIAL. The best of all very large white radishes. Immense size and the flesh always crisp and mild.	.20	.70
BLACK SPANISH LONG. Black skin and white flesh	.20	.70
BLACK SPANISH ROUND. Similar to Long Black, except in shape	.20	.70
HALF LONG BLACK WINTER	.25	.75
LONG WHITE SPANISH. Like Long Black, except color	.20	.70

RAT TAILED RADISH. Seed pods edible. **Pkt., 5c; oz., 30c.**

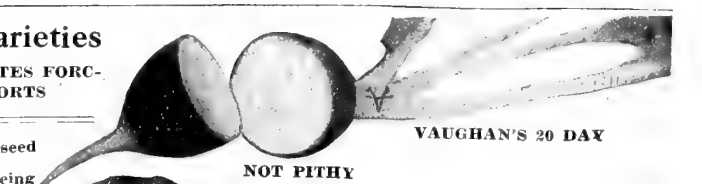
RADISHES

Oval Varieties

(F) INDICATES FORCING SORTS

confidence in our seed by critical growers—they rely upon us for best seed and they are not disappointed.

The extra early turnip shaped radishes grow best in loose rich soil; being early they have to mature quickly. The application of commercial fertilizer to your soil will improve radish quality. See fertilizer page.



VAUGHAN'S 20 DAY

NOT PITHY

SCARLET TURNIP WHITE TIP

VAUGHAN'S SELECTED STOCK

Many thousands of pounds of seed of this variety are bought from us every year by the most critical market gardeners. Their success proves the satisfactory quality and popularity of this dainty, crisp and tender radish.

This strain is for out-door planting, our seed is carefully grown from transplanted roots. This radish is turnip-shaped, bright scarlet color, with a white tip; very handsome, and very popular because it is very good and appeals to the palate as well as to the eye.

Vaughan's "Sparkler Strain": Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.25.

SCARLET TURNIP WHITE TIP

SOLID CRISP

SCARLET TURNIP WHITE TIP

EXTRA EARLY OLIVE SHAPED

VAUGHAN'S 20-DAY

The quickest of all red radishes, matures in 20 days after sowing. The skin is a most attractive bright scarlet, the flesh pure white, sweet, tender, crisp and pleasant. The leaves are very short, which admits of close planting. Fine for outdoors and forcing. **Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., $1.00.**

EARLIEST WHITE OLIVE. (F.) This is not only the earliest White Radish, but the earliest of any color; good sized radishes having been pulled in from 15 to 18 days after sowing. The radishes are pure white, oblong and tender. The tops are small, which means a good forcer and admits of close planting. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

VAUGHAN'S 20 DAY

IMPROVED BREAKFAST

An excellent radish that is early. About 2 inches long, round, slender, tap root, deep red skin, with white tip, pure white flesh that is crisp, tender and sweet; sound and solid. One of the best for home use. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.**

Any of the Following, Pkt., 5c; oz., 10c.	¼ lb.	lb.
OLIVE SHAPED DEEP SCARLET. Similar to Vaughan's 20-day	$0.25	$0.80
OVAL YELLOW MAY. A new sort, fine quality	.20	.70
FRENCH BREAKFAST. Quick and handsome	.20	.70
MIXTURE. Turnip and olive shaped varieties	.20	.60

OTHER KINDS

	pkt.	oz.	¼ lb.	lb.
NON PLUS ULTRA. (F.) Scarlet turnip shaped, good forcer	.05	.10	.25	.75
EARLY DEEP SCARLET TURNIP. An old standby	.05	.10	.25	.80
YELLOW TURNIP. (A summer variety)	.05	.10	.20	.70
GOLDEN YELLOW SUMMER TURNIP. Smooth, fine skin	.05	.10	.20	.70

OTHER SORTS

See Radish Novelties for Vaughan's Olive Crystal.

ICICLE RADISH

ICICLE—The Finest White Radish

Long, slender, pure white roots, and they remain mild and crisp until they grow large; they mature early, and have short tops, which permits close planting and forcing. Regarded by many of our customers as the finest radish they have ever grown. Plant every ten days for succession. It is mild, crisp and white. **Pkt., 5c; oz., 15c; ¼ lb., 20c; lb., 70c.**

NEW FORCING RADISH GIANT BUTTER. The largest early turnip forcing radish.

RADISH SAKURAJIMA. Produces radishes of great weight. See Novelty page.

RAMPION—A New Salad

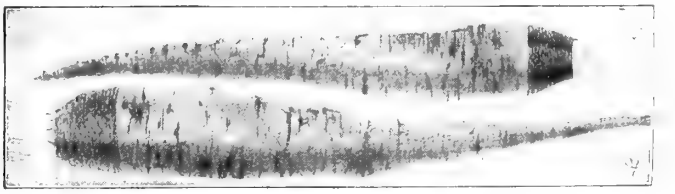
Both the roots and leaves make a delicious salad. **Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c.**

SALSIFY, OR OYSTER PLANT

Though not as generally grown as it should be, this is when cooked a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. The roots should be left in the ground to dry up during thaws in the winter and spring. Salsify is boiled like parsnips or carrots and served either with or without cream gravy. Or after half boiling can be grated and made into flattened balls and fried like oysters. Mammoth Sandwich Island Salsify is the most popular.

MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White Variety"; it is twice the size and weight; the roots are of superior quality and most delicate flavor, especially after being touched with frost. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.10.**

LONG ISLAND SALSIFY. The Old Standard. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.10.**



SALSIFY, MAMMOTH SANDWICH ISLAND

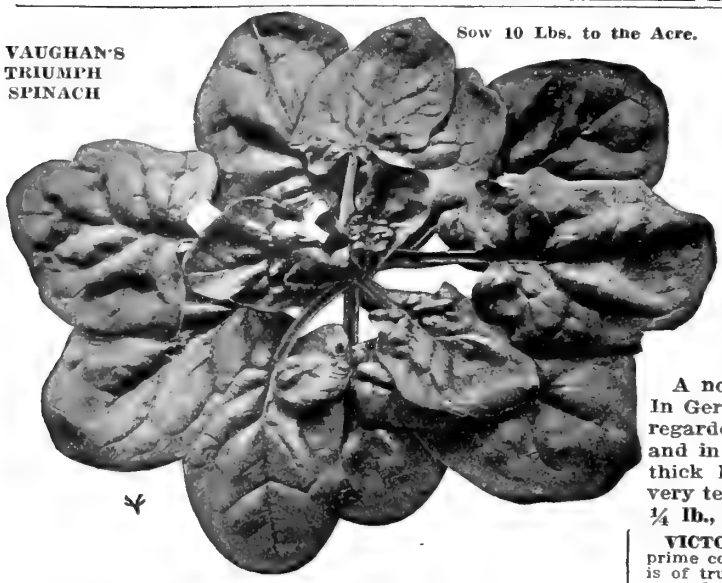
SCORZONERA OR BLACK SALSIFY

SCORZONERA, OR BLACK SALSIFY. Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. **Pkt., 5c; oz., 15c; ¼ lb., 45c.**

IMPROVED LONG BLACK (BLACK SALSIFY). This variety may be planted in the late spring, earlier than black salsify, without running to seed, the longer season thus permitting a considerable larger growth of root. **Pkt., 10c; oz., 20c.**

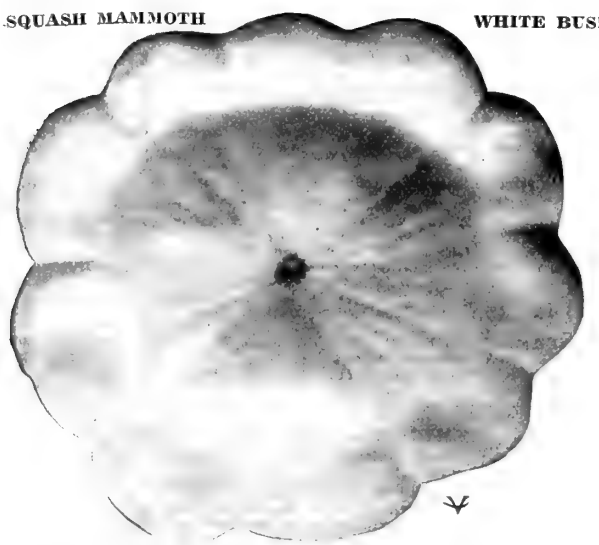
VAUGHAN'S TRIUMPH SPINACH

Sow 10 Lbs. to the Acre.



VAUGHAN'S NORFOLK SAVOY. This variety is a very hardy, good size Standard Spinach. The leaves are very thick and blistered, and this, together with its hardness, makes it a splendid shipping sort. It is a great favorite with Southern Truckers. Our strain is carefully grown; the largest and most successful growers in the country buy Vaughan's Strain. This sort is identical with Bloomsdale. **Oz., 5c; ¼ lb., 15c; lb., 30c; 5 lbs., $1.00; 10 lbs., $1.85.**

SQUASH MAMMOTH WHITE BUSH



BUSH FORDHOOK. A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety whether for summer or winter use. The young tender fruits are prepared and cooked like other summer squashes; or when stored before frost in a warm dry place furnish winter squash for table use until the new crop is ready. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.00.**

FORDHOOK. Ripens early and is one of the best keepers we know of. Can be kept all through the winter until June. Is very prolific, and nearly bug and borer proof. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

SUMMER CROOKNECK

The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

VEGETABLE MARROW

This is a most important vegetable in the English market but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy, and should always be used in a young state. Our packages contain cultural directions and recipes for cooking. **Pkt., 10c; oz., 15c; 2 ozs., 25c.**

Plant Squashes in warm, light, rich soil (about 8 or 10 seeds to a hill), afterward they may be thinned out to 3 or 4 vines.

VAUGHAN'S

VAUGHAN'S TRIUMPH

Is very compact but prostrate, rather than upright in habit of growth. This new spinach withstands hot weather longer than other kinds; by its use the season may be lengthened a month. This plant is smaller, but does not wilt or run to seed as quickly as other sorts. The leaves are thick, warted, tender and fine when cooked. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

VAUGHAN'S GIANT FILL-BASKET

A novelty in greens, produced by the careful culture of an expert. In Germany where Spinach is in great demand always, Fill-Basket is regarded as the best spinach ever produced. With our customers and in our trial grounds it has given phenomenal results. Its broad thick leaves are produced in remarkable abundance. Cooked it is very tender and well flavored and can be cut early. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

VICTORIA. A standard, and, excepting "Vaughan's Triumph," remains in prime condition two to three weeks after all other varieties have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister. **Oz., 5c; ¼ lb., 15c; lb., 30c; 5 lbs., $1.00; 10 lbs., $1.85.**

EXTRA LARGE ROUND LEAF. Large crumpled leaves. **Oz., 5c; ¼ lb., 15c; lb., 30c; 5 lbs., $1.00; 10 lbs., $1.85.**

PRICKLY SEEDED. Very hardy; sow in fall. **Oz., 5c; ¼ lb., 15c; lb., 30c.**

BLOOMSDALE. Identical with Vaughan's Norfolk Savoy—**Oz., 5c; ¼ lb., 15c; lb., 30c; 5 lbs., $1.00; 10 lbs., $1.85.**

LONG STANDING. Slow to seed. **Oz., 5c; ¼ lb., 15c; lb., 30c; 10 lbs., $1.85.**

MONSTROUS-LEAVED VIROFLAY. Quick, strong growth; much used by New York truckers. **Oz., 5c ; ¼ lb., 15c; lb., 30c; 10 lbs., $1.85.**

NEW ZEALAND. Suited to dry arid localities where other varieties do badly. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

SUMMER SQUASH

MAMMOTH WHITE BUSH—Patty Pan

The old Early White Bush Scallop has long been the favorite early summer squash. Mammoth White Bush is an improved selection a few days later; it is considerably larger and deeper, has less scallops, saving waste, and is a heavier producer. Peeled and sliced, then fried like egg plant, this squash makes a delicious dish. We have a very select strain. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

EARLY WHITE BUSH. The older, very early sort. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

MAMMOTH GOLDEN BUSH. Like Mammoth White Bush, the fruits run a little larger and have a fine pale-yellow skin, creamy white flesh. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

GIANT WHITE SUMMER CROOKNECK. A selection from the old "Summer Crookneck." It is somewhat larger, and the skin is ivory white, which adds an attractive appearance to windows where other vegetables are grouped. The flesh is tender and of good flavor. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

GIANT SUMMER CROOKNECK

Our strain of this popular Squash produces fruits nearly double the size of the old standard "Crookneck." The plants are healthy, bushy and compact; they produce in quantity fruits that are heavily warted and true to type. The flesh color is a rich golden yellow, the quality and delicious flavor of which is the very best. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.**

SUMMER CROOKNECK VAUGHAN'S GIANT

SPINACH

SWISS CHARD—The City Man's Garden

ALSO CALLED "CUT AND COME AGAIN" SPINACH

This vegetable gives maximum returns for little care and space, it yields a constant crop from July to Winter.

If your garden space is limited, Swiss Chard must have a place, for in ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as Spinach or beet tops; they are equal in quality and easier to prepare than spinach, and far superior to beets. Sow early in Spring, in rows 16 inches apart, and thin out to 6 inches apart in the rows. It can be used all Summer when spinach is not available. Later the leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like Asparagus or made into very good pickles. Our packages contain recipes for cooking both the leaves and stalks. An ounce of seed is sufficient for a medium sized family. As it grows, thin out for use and keep clear of weeds. Good cultivation increases the tenderness of the leaves.

Many of the Chicago gardeners use Swiss Chard as a catch crop, giving quick results where land would otherwise stand idle. The investment is small and returns often large. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

LUCULLUS SWISS CHARD. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.**

LYON SWISS CHARD. A new variety, selected especially for its broad mid-ribs and stems. **Pkt., 10c; oz., 20c.**

We put our name on strains of seed we control. We monopolize them because they have extraordinary merit. Pick out those special strains in ordering and you will be repaid.

WINTER SQUASH

BOSTON MARROW. Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.**

CHICAGO ORANGE MARROW. Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season—Sept. to Jan.; always saleable, has handsome shape, smooth orange skin, nice size, everyone likes it. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.**

PIKE'S PEAK OR SIBLEY. A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green, the flesh of very superior quality, is light yellow. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

DELICATA. Orange yellow, mottled with spots and stripes of dark green. Flesh, rich and solid; fine keeper and producer. Extra early. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.**

FAXON'S BRAZILIAN. Early, long keeper, a sort that sports, average quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

THE DELICIOUS—For Quality

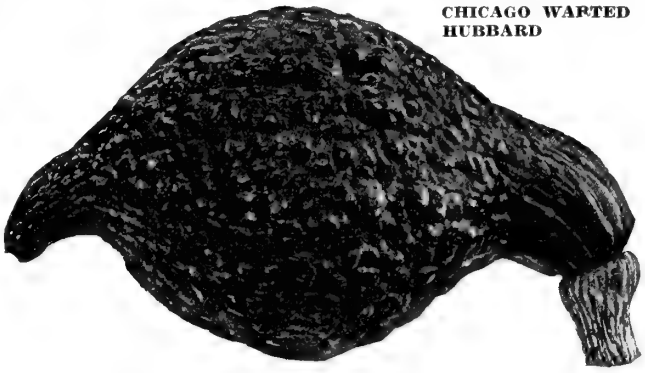
A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruits vary in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color; for compact fineness of grain, dryness, richness, and sweetness of flavor, it has no peer. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00, postpaid.**

DELICIOUS SQUASH

SWISS CHARD—Nothing Better for the City Garden

SORREL. Sauerampfer-Oseille. Is boiled and served like spinach, also delicious soup is made with it, and it possesses a very fine flavor. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy but the roots should be divided every four years. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.**

CHICAGO WARTED HUBBARD



CHICAGO WARTED HUBBARD

Vaughan's Chicago Warted Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; these are large size, rough-skin, dark green color, on the outside. For producers on a large scale these qualities are needed. Our Strain is ideal for the home market, vines are of strong robust growth, fruits are large, grand shape, heavily warted, fine color; flesh fine grained, rich and dry. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.10; 5 lbs., $4.75; 10 lbs., $9.00.**

ORIGINAL HUBBARD

Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruits have dark green skin, and often weigh as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick of superior flavor. If stored right Vaughan's Strain can be sold in good condition until spring. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.10; 5 lbs., $4.75.**

GOLDEN HUBBARD

The best kind for the private or home garden; the fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are earlier in season but keep in fine condition through the winter. The skin is bright deep orange yellow, very attractive appearance. Flesh is deep golden yellow, fine grained, cooks very dry and has rich flavor. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

GOLDEN BRONZE. Large size, 8 to 10 pounds, grayish green color, good keeper, uniform; its sweet flesh is golden yellow. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

MARBLEHEAD. Prolific, light blue, olive shape, dry and sweet, delicious flavor. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.10.**

ESSEX HYBRID. For fall or winter, large broad fruits, large neck or Turk's cap at blossom end. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.**

EARLIANA BEST RED EXTRA EARLY

TOMATO PLANTS—We have ready about May 15th carefully grown tomato plants. Seedlings from the hot beds, transplanted plants from flats and 2-inch pot plants. See page 56.

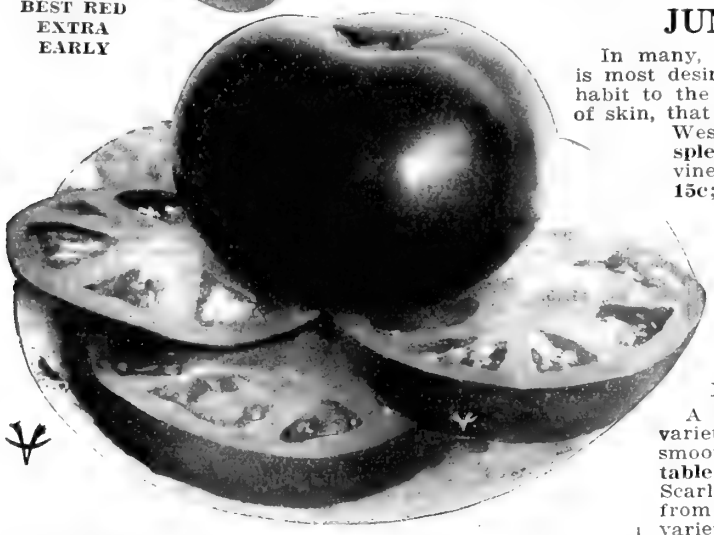
VAUGHAN'S

EARLIANA—The Most Popular Extra Early Red

Vaughan's **Earliana** is the earliest **large, smooth red** tomato. In season it ripens with the earliest, it is **large** and **smooth, bright red**, and our strain shows few, if any, of the rough fruits found in numerous quantity in other **early** sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. A few days in season to the tomato market grower sometimes means the difference between the early market high price and average season price with a small margin of profit. By constant supervision we keep our strain right—our trials show it is without a superior. This variety is planted almost exclusively in some southern tomato shipping centers. Buy Vaughan's Strain of Earliana and get results. **Pkt., 5c; oz., 25c; 2 ozs., 45c; ¼ lb., 75c; lb., $2.50.**

JUNE PINK—The Best Extra Early Pink

In many, perhaps the greater number of markets, a **pink early tomato** is most desired; this is the **earliest** of the **Pink** varieties, and is similar in habit to the famous Earliana. We have bred this to such fine smoothness of skin, that in our strain, growers for market find few rough fruits, and in Western markets where **pink tomatoes only** sell readily, this is a **splendid profit maker.** The fruits are of fair size and good quality; vines ripen evenly, permitting quick harvesting. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $3.00.**



BONNY BEST

Is uniform and smooth, a few days later in season than Earliana, the fruits run large and nearly all marketable. Intense scarlet color, and may be planted where Earliana is a profitable market garden variety.

It equals the best; an early for the home garden. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $2.75.**

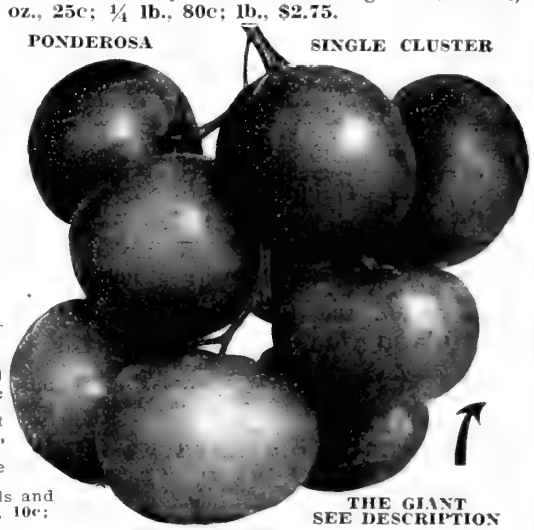
CHALK'S EARLY JEWEL—Is an extra early, good **size and smooth.** Vines compact and **prolific, bear** throughout the season. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

VAUGHAN'S EARLIEST OF ALL—Our earliest tomato, it may be planted in the north where hot-bed facilities are poor. The fruits have good quality and the plants are dwarf, robust and quite prolific. **Pkt., 10c· ½ oz., 15c; oz., 30c; ¼ lb., 85c.**

HUMMER

A globe shape variety, medium size, smooth, **prepared for table without waste.** Scarlet color free from cracks. This variety has heavy foliage and should be started, or grown on trellises. **Pkt., 5c; ½ oz., 15c; oz., 25c; ½ lb., 75c; lb., $2.50.**

PONDEROSA SINGLE CLUSTER



THE GIANT SEE DESCRIPTION

EARLY DWARF CHAMPION

We recommend this sort for the home garden with the greatest confidence. Owing to its dwarf habit and upright tree-like growth, it is a great favorite; the fruit resembles the main crop variety "Acme." It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid and of firm quality. The vine is strong and stiff requiring the very least support. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

DWARF ARISTOCRAT—This is a scarlet Dwarf Champion. The Dwarf Champion size, shape, and form is nearly perfect for home use and with the brilliant deep scarlet which we get in the Aristocrat little is left to be desired. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet or closer, making it suitable for small gardens. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

VAUGHAN'S MODEL TOMATO

A handsome dwarf tree variety, potato leaf, foliage very large, broad, very deep dark green, heavily blistered. The fruit is smooth, and of best quality—the color is a deep brilliant scarlet. It is sure to please in the home garden. **Pkt., 10c; ½ oz., 20c; oz., 30c; 2 ozs., 50c; ¼ lb., 85c.**

FORCING VARIETIES

Sunrise. Rich scarlet, medium size, solid delicate flesh. Very prolific. **Pkt., 15c; ½ oz., 40c.**

Comet. Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts. **Pkt., 15c; ½ oz., 30c.**

Hubert's Marvel. Scarlet color. Round like an apple. **Pkt., 15c; ½ oz., 30c.**

Best of All, Sutton's. One of the old standards and very good yielder of small scarlet fruits. **Pkt., 10c; ½ oz., 25c.**

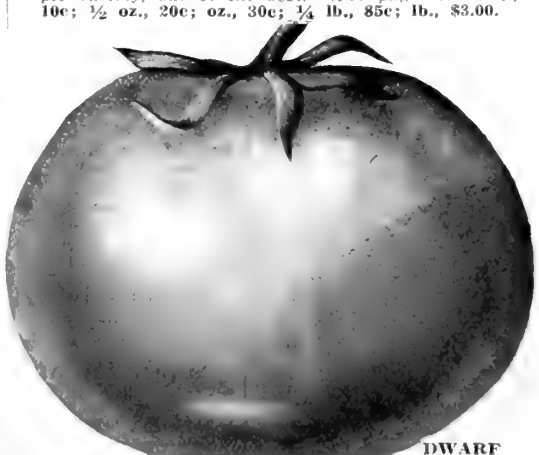
Frogmore Select. Almost round, small seed cavity, bright red, old favorite. **Pkt., 15c; ½ oz., 25c.**

Lorillard. One of the best known and popular kinds. **Pkt., 5c; oz., 25c.**

Sterling Castle. Small size, uniform and very productive. **Pkt., 15c; ½ oz., 35c.**

Lister's Prolific (new). Latest popular English sort. **Pkt., 25c.**

EARLY DETROIT—The new early main crop. Purple variety, one of the best. (See page 8.) **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., $3.00.**



DWARF CHAMPION

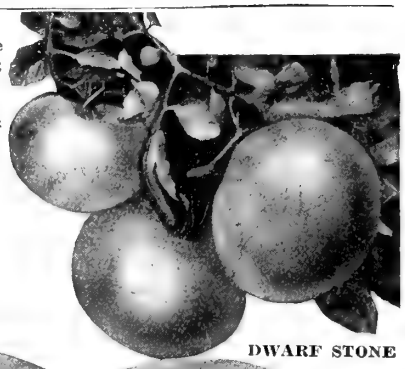
Acme. An early, purple fruited tomato, very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five. The first fruits ripen early, and the fine, smooth, large tomatoes are produced until frost comes. One of the A1 standard varieties. **Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., $2.25.**

BEAUTY—Is the most popular of the **Large Purple Sorts.** Vines large, vigorous and heavy bearers; fruit large, uniform, very smooth purplish pink skin; flesh light pink, excellent flavor. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., $2.25.**

EARLY MICHIGAN—An excellent uniform early red sort. First fruits are very early, while the vines continue bearing a long time. Vines large growers and very productive, will stand high culture. Fruit medium to large, increasing in size as the season advances. Smooth and free from cracks. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., $2.25.**

TOMATOES

The dwarf, or tree tomatoes are good yielders, require no staking; therefore, fine for home garden.



DWARF STONE

DWARF STONE—The Largest Dwarf Tomato

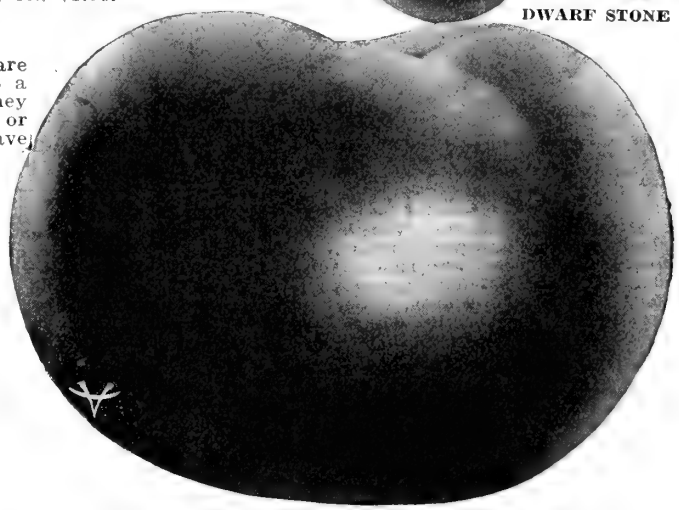
Is the largest **Dwarf Tomato** in existence, it resembles "Dwarf Champion", in **habit**, but is of stronger growth and more erect.

The fruit is red, in shape and size similar to **"Tall Stone"**; specimens weighing one pound each are quite common. The season is nearly as early as "Dwarf Champion" but the fruits are twice the size of that sort. Amateurs not used to training vines, find this a splendid variety because of being **Dwarf** and robust.

The fruits are free from cracks at the stem end; they ripen evenly, are solid and splendid quality. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $3.00.**

PONDEROSA—The Giant Tomato

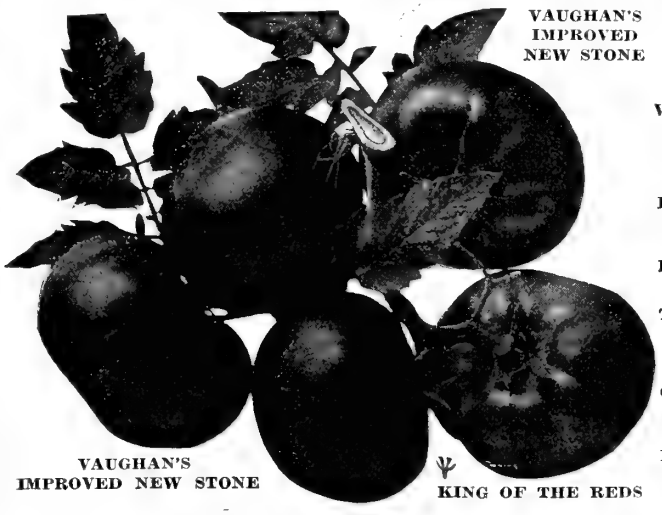
Of the **Large Fruited** Tomatoes, this is a gem. The vines are of **strong growth.** When planted in good soil and pruned to a **single stem** the fruits often reach one pound in weight. They are largely oblong in form, deep through, usually ribbed or ridged, deep purple color, solid flesh, small seed cells and have fine sweet flavor. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; lb., $3.25.**



VAUGHAN'S IMPROVED NEW STONE

Known as the **"King of the Reds"**; it is the best of the **main crop Red** varieties.

We have reselected this very carefully to secure heavy yield, in which point as well as in size and appearance it is unequaled. The smooth, small cored, almost beefy flavored, scarlet tomatoes are a delight to the eater, and a joy to the grower. It is an exclusive main crop variety, almost entirely used by canners. Vaughan's reselected seed will make profit for you. **Pkt., 5c; ½ oz., 12c; oz., 20c; ¼ lb., 70c; lb., $2.25.**



VAUGHAN'S IMPROVED NEW STONE

VAUGHAN'S IMPROVED NEW STONE

KING OF THE REDS

VAUGHAN'S TALL CHAMPION—An extremely strong **grower and heavy** bearer; the fruits are like "Dwarf Champion" in color and smoothness, but run a little larger in size, averaging 2¼ inches thick and 3¼ inches broad. It is very **hardy** and very **prolific**, one of the most desirable sorts for both home and market use. **Pkt., 5c; ½ oz., 15c; oz., 25c; 2 ozs., 40c; ¼ lb., 75c; lb., $2.75.**

ENORMOUS—Very large, beautifully **smooth**, solid **flesh, few seeds**; rather **oval** shape, mid-season, ripens all through the fruit at once. Vines are not so productive as Matchless, but fruit is large. **Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 75c; lb., $2.50.**

HUSK or Strawberry—The small yellow fruits are each enclosed in a husk. They are very sweet, prized for eating, preserving and making pies. **Pkt., 5c; ½ oz., 15c; oz., 25c.**

TOMATO CORELESS—A late red, most perfect shape, best suited to southern and central states; requires long season to mature. The productive vines bear clusters of 4 to 7 fruits. Splendid for markets demanding red tomatoes and for home garden and canners. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb. 80c; lb., $2.75.**

CRIMSON CUSHION—Or Beefsteak Tomato, is very large, **round and regular**; bright scarlet skin, flesh solid best quality, seed cells small and few. Plants are very prolific, fine appearance, **good shipper. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; lb., $3.25.**

MAGNUS—An **early main crop**; strong growing vines, with short joints, placing the fruit clusters close together; a heavy cropper. Fruits are **globe shape, purple** and ripen evenly. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., $2.25.**

SMALL FRUITED TOMATOES—The fruits are used for fancy pickles, etc.

TWO PEACH TOMATOES—Peach shape and color, eaten raw or preserved. Red or Yellow each. **Pkt., 10c; ½ oz., 20c; oz., 35c;** two mixed, **pkt., 10c; 3 for 20c.**

YELLOW PLUM AND RED PLUM—Fruits about 2 inches long, 1 inch through; the first is bright **lemon yellow**, the other, plum red. Solid flesh fine quality. **Each, pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.**

YELLOW PEAR—Distinct pear shape. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.75.**

RED PEAR-SHAPED—Larger **red** type of above. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.**

RED CHERRY—Little fruits, bright scarlet. **Pkt., 5c, ½ oz., 15c; oz., 25c; ¼ lb., 75c.**

RED CURRANT—Very small. Pkt., 5c; ½ oz., 15c.

NEW GLOBE

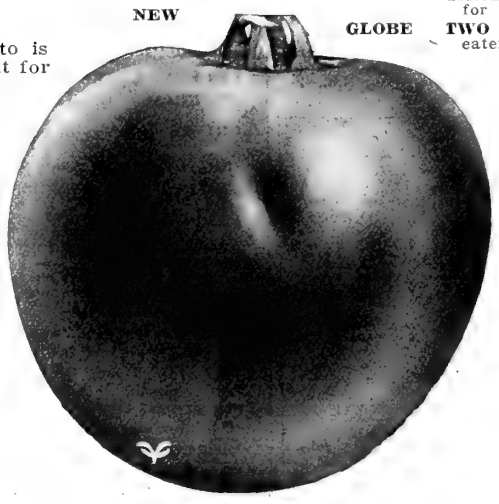
A New Ball Shaped Type

This new **Globe** or **Ball Shaped** tomato is ideal for the home garden; it is excellent for slicing without waste, one slice like another. The rich juicy, meaty, tomato flavor, gives a certain zest and joy in the eating. The vines ripen the first fruits with the second earlies, they **yield a heavy crop** and continue to bear until frost. The skin is **glossy, smooth** and a lovely **red,** the flesh is firm and has **few** seeds. By very careful breeding there are now very few off vines, most produce true **Globe Shaped** tomatoes. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $2.75.**

MATCHLESS—Large, bright red, long keeping tomato. The solid fruits are produced on strong, vigorous prolific vines. Very distinct desirable sort. **Pkt., 5c; oz., 20c; ¼ lb., 75c; lb., $2.25.**

CREAM CITY—This is one of the very first large Tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is **purplish crimson, similar to Acme. Flesh** is very thick, firm and solid, with few seeds. **Good shipper,** does not crack or rot. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 oz., 35c; ¼ lb., 70c; lb., $2.25.**

NEW GLOBE



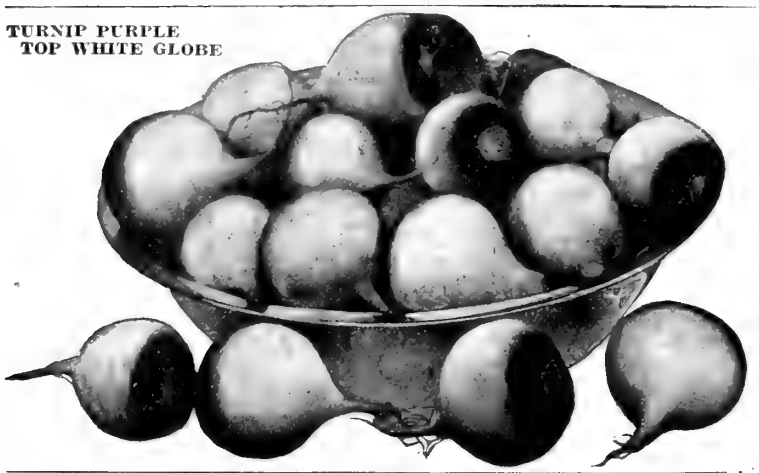
SHAPED LIKE A BALL

OTHER STANDARD SORTS

Per pkt. 5c, of any of the following:

	½ oz.	1 oz.	¼ lb.	1 lb.
Atlantic Prize. Early Red	$0.12	$0.20	$0.60	$2.00
Buckeye State. Late purple	.12	.20	.75	2.50
Early Freedom. Very early	.12	.20	.75	2.50
Favorite. Early, smooth, red good shipper	.12	.20	.60	2.00
Golden Queen. Rich yellow	.15	.25	.75	2.50
Honor Bright. Best shipper; good quality	.12	.20	.60	2.00
Imperial. Early purple	.12	.20	.60	2.00
Perfection Solid flesh; blood red; late; a favorite	.12	.20	.60	2.00
Trophy. Old standard; late	.12	.20	.60	2.00

TURNIP PURPLE TOP WHITE GLOBE



CULTURE
Sow in July or August on new land, 1 oz., to 150 ft. of drill. Drilled 1½ lbs. to the acre; broadcast, 3 to 4 lbs.
See Page 58 for Root Crops for Stock Feeding.

PURPLE TOP WHITE GLOBE

Originated from the "Purple Top Flat Turnip," and is extensively planted, and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size and globe shaped, has a splendid appearance, is a good producer and fine keeper. A splendid table variety and tip top for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; 5 lbs., $2.65; 10 lbs., $5.00.**

EARLY SNOWBALL. Small, grows quick; white. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

WHITE NORFOLK. Globular, late, solid. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

POMERANIAN WHITE GLOBE. Large, good both for table and stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SEVEN TOP. A variety much grown in the south for the tops, which are used as greens. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

LARGE YELLOW, OR AMBER GLOBE. Fine quality and sweet. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

GOLDEN BALL or Orange Jelly. Medium size globular table turnip. Season early. Flesh golden yellow, very sweet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Fine keeper, good for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

TETLOW—Small in size; a German delicacy of remarkable quality. **Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 90c.**

VAUGHAN'S

PURPLE TOP MILAN

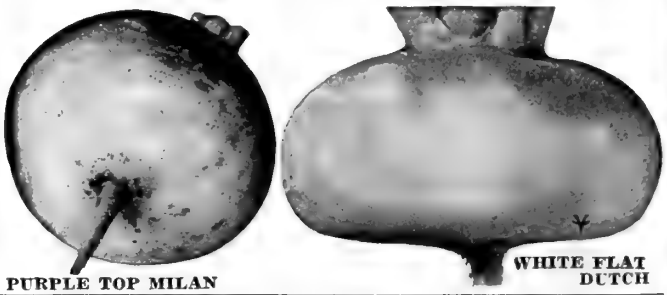
An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

WHITE MILAN is the **earliest turnip,** but can be used Spring or Fall. The skin is smooth and snowy white so fine, it has a polished appearance; medium size, white, tender, sweet flesh; short foliage. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EARLY WHITE FLAT DUTCH, a very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the southern States; is medium sized, sweet, tender and desirable for table use. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

COW HORN OR LONG WHITE. Grows nearly half way out of the ground, carrot shape, usually slightly bent; pure white, has slight green tinge on top. Table quality is best. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

WHITE EGG. Quick growing, egg shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves, never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**



PURPLE TOP MILAN — WHITE FLAT DUTCH

ROOTS AND VEGETABLE PLANTS

RHUBARB OR PIE PLANT ROOTS

These roots planted in good soil in the early spring will make a good growth, yielding stalks for the table the following spring.

CLUMPS, MAMMOTH VARIETY, 25c, 35c, 50c and 75c each, according to the size. Sent by express at buyer's expense.

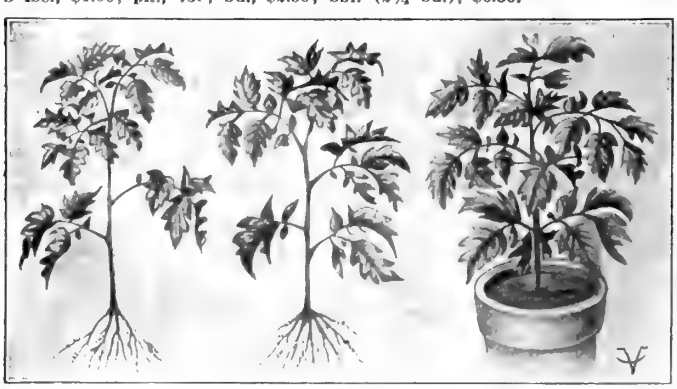
SEEDLINGS. One year from seed, **each, 15c; doz., $1.50, postpaid. By express, $7.50 per 100.**

NAMED VARIETIES. Chicago Giant, very heavy stalks. See description page 29. **Early Raspberry.** Sauce made from this variety has a pink color and a distinct raspberry flavor. **Hobday's Giant,** of extraordinary size and excellent flavor. Stems sometimes four feet in height. Any one of the three, divided clumps, **50c each, not prepaid.**

JERUSALEM ARTICHOKE ROOTS

A fine hog feed—more like potatoes. Hardy. **Lb., 20c; 3 lbs., 50c; pk., 75c; bu., $2.00; bbl. (2¾ bu.), $4.25. At New York, bu., $2.50; bbl., $5.25.**

JERUSALEM ARTICHOKE—Rose Colored. A French novelty. Grown on our farms. Smoother and more productive than old kind. **Lb., 30c; 5 lbs., $1.00; pk., 75c; bu., $2.50; bbl. (2¾ bu.), $6.50.**



SEEDLING TRANSPLANT POT PLANT
TOMATO PLANTS SHOWING SIZES

We grow these in large quantities and also contract with careful hot bed growers to guard against failures.

NOTE. We can supply only the varieties listed here.

CABBAGE. Ready about April 20th. We can supply the following varieties: Early Jersey Wakefield, Early All Head, Hollander or Dutch Winter and Black Diamond (Red). Prices same as Tomatoes.

CAULIFLOWER. Ready about April 20th. Vaughan's New Snowball. Prices same as Tomatoes; see below.

CELERY, EARLY, Ready June 15th. White Plume, Golden Self Blanching and Giant Golden Heart.

CELERY, LATE. Winter Queen.

CELERIAC. Giant Prague.

Transplanted Plants. Doz., 20c, 50 for 50c, 100 for 75c, postpaid. By express—Doz., 15c; 100, 65c; 250 for $1.50; 500 for $2.50; 1,000 for $4.50.

CHIVES. Clumps of roots, by express, **15c; doz., $1.00;** by mail, **add 10c.**

EGG PLANT. Ready about May 15th, New York Purple Improved.

PEPPER. Ready about May 15th; Vaughan's Sweet Mountain, Magnum Dulce and Cayenne.

2-inch pot plants (by express at buyer's expense), **doz., 60c; 25 for $1.10; 100, $4.00.**

Transplanted plants from flats, doz., 35c; 25 for 60c; 50 for $1.10, prepaid. By express, doz., 30c; 100 for $2.00.

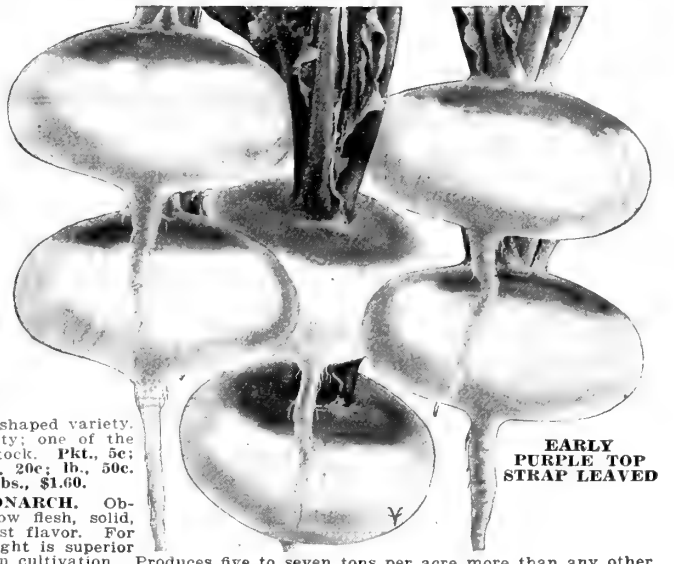
SWEET POTATOES. Ready about May 20th, Yellow Nansemond and Red Jersey Plants. **Doz., 20c; 50 for 65c; 100 for $1.00, postpaid. By express—Doz., 15c; 50 for 50c; 100 for 75c; 250 for $1.50; 1,000 for $4.00.**

TOMATO. Ready about May 15th. The following varieties: Earliana, Dwarf Champion, Dwarf Stone, Beauty, New Stone and Ponderosa.

Prices. See drawing showing relative sizes of plants—2-inch pot plants, sent by express (at buyer's expense), **doz., 50c; 25 for 85c; 100 for $3.00.** Transplanted plants from flats, **doz., 30c; 25 for 55c; postpaid. By express—Doz., 25c; 50 for 90c; 100 for $1.75; 1,000 for $15.00.** Seedlings from the hot beds, **doz., 20c; 50 for 75c; 100 for $1.25, postpaid. By express—100 for $1.00; 1,000 for $6.00.**

TURNIPS

RE-SELECTED STOCKS



EARLY PURPLE TOP STRAP LEAVED

EARLY PURPLE TOP—Strap Leaved

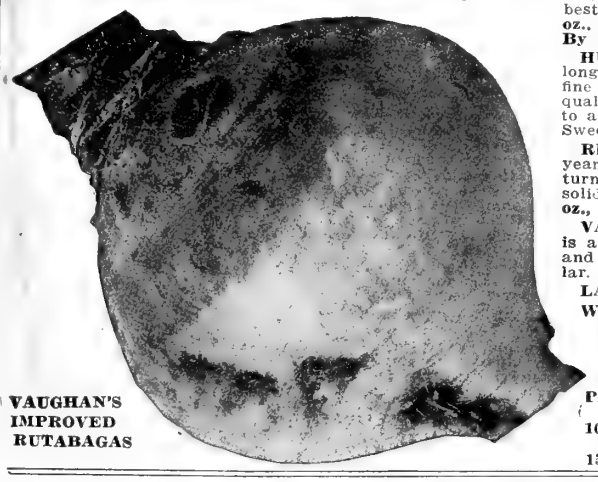
Fine table variety, being tender and of delicious flavor. It is in season about a week later than White Milan, in shape it is broad and flat like a disc, medium size, flesh white, fine grained and tender. On top the color is dark red or purple, below white, has few leaves, entirely upright in growth, good keeper. **Pkt. 5c; oz., 10c; ¼ lb., 20c; lb., 45c; 5 lbs., $1.85.**

YELLOW ABERDEEN. Large globe shaped table and stock variety. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SWEDES OR RUTABAGAS

Require longer season than Turnips do. For table use they have better flavor and usually keep better than Turnips. An excellent crop to raise for cattle and other stock feeding. Yield heavy, feeding value high. (See page 58.) Should be sown from first to middle of July for table use.

VAUGHAN'S IMPROVED. From stock of a purple top; largest size, best shaped variety. Small neck, smooth skin; good cropper and keeper. Excellent table quality; one of the best sorts for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express—5 lbs., $1.60.**



VAUGHAN'S IMPROVED RUTABAGAS

HURST'S MONARCH. Oblong form, yellow flesh, solid, fine grained, best flavor. For quality and weight is superior to any variety in cultivation. Produces five to seven tons per acre more than any other Swede. Should be used for early feeding. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

RHODE ISLAND ROCK. Great improvement on White French Turnip, made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

VASSAR. This is a yellow-fleshed selection of the White Breadstone Rutabaga, and is a very desirable variety for late fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. **Pkt., 5c; oz., 15c; ¼ lb., 25c.**

LAING'S. Large early, purple top, flesh yellow. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

WHITE SWEDE. Flesh white, solid, large. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

CARTER'S IMPERIAL. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

SKIRVING'S. Large yellow. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

BREADSTONE. Medium size, white roots. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

BANGHOLM. Yellow flesh, purple top with small neck. Danish pedigree seed. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SWEET GERMAN. A fine table sort, white flesh, excellent keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SUTTON'S CHAMPION. Round, big yielder, yellow flesh. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

HERBS--SWEET, POT AND MEDICINAL

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom. They should then be dried quickly in the shade, and when dry be packed closely in boxes with the air entirely excluded.

Varieties preceded by an * are perennials.

ANISE. Used for garnishing, seasoning and for cordials. **Pkt., 5c; oz., 10c; lb., 80c.**

***BALM.** Used for making Balm wine and tea. **Pkt., 5c; oz., 20c.**

BASIL, Sweet. The leaves are used for flavoring soups, stews and highly seasoned dishes. **Pkt., 5c; oz., 15c; lb., $1.35.**

BENE. The leaves immersed in a tumbler of water make a drink very beneficial in cases of dysentery. **Pkt., 5c; oz., 15c.**

BOHNENKRAUT. See Summer Savory.

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. **Pkt., 5c; oz., 15c; ¼ lb., 40c.**

CARAWAY. Seeds are used for flavoring bread, pastry, meats, etc. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

CATNIP or Catmint. Grown for bee pasture. The leaves and young shoots are used for seasoning. **Pkt., 10c; oz., 30c.**

CHAMOMILE (Matricaria Chamomile). The dried flowers possess medicinal value. Prescribed by physicians as an emetic and vermifuge. **Pkt., 10c; ¼ oz., 25c.**

***CHIVES.** Used for seasoning. **Seed, pkt., 10c; ½ oz., 30c; oz., 60c.** See opposite page for clumps.

CORIANDER. The seeds are used for flavoring. **Pkt., 5c; ¼ lb., 20c; lb., 75c.**

DILL. Leaves are used in pickles and for flavoring soups and sauces. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

***FENNEL.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. **Pkt., 5c; oz., 10c; ¼ lb., 25c.**

FENNEL, FLORENCE. An excellent legume with agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and a more delicate odor. Very distinct from Common Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

***HENBANE.** The growing plants are supposed to absorb malaria. **Pkt., 5c; oz., 25c.**

***HOP SEED. Pkt., 15c.**

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. **Pkt., 5c; oz., 15c.**

HYSSOP. The tops and flowers are used for Hyssop tea. **Pkt., 5c; oz., 15c.**

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in the making of perfumes. Two kinds.

LAVENDER TRUE (Lavendula vera). The best. **Pkt., 10c; oz., 40c; lb., $4.00.**

Lavendula spica. Not quite so strong. **Pkt., 5c; oz., 10c; lb., $1.00.**

LAVENDER PLANTS. Give much better results than seed. **First size, 25c each; doz., $2.50; 2nd size, 15c each, 3 for 40c; doz., $1.50. By mail—Add 5c per plant, 20c per doz.**

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.25.**

***MINT, Old Fashioned.** For mint sauce and julips. **Plants 1 yr. old, 15c each; doz., $1.50. Plants 2 years old, 20c each; doz., $2.00. Large plants (by express), 50c each; doz., $4.00. By mail add 5c each; 20c doz.**

PENNYROYAL. Leaves are used for seasoning puddings and various dishes. **Pkt., 10c.**

PEPPERMINT. The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. **25 seeds, 10c; 100 seeds, 30c; 500 seeds for $1.25.**

PIMPINELLA (Burnet). The young tender leaves are used as salad; they have a flavor resembling cucumbers. **Pkt., 5c; oz., 15c.**

ROSEMARY. The leaves are used for seasoning. **Pkt., 5c; oz., 35c.**

***RUE.** For medical purposes; good for fowls for the croup. **Pkt., 5c; oz., 25c.**

SAFFRON. Used for coloring certain dishes, also flavoring. **Pkt., 5c; oz., 10c; ¼ lb., 30c.**

SAGE, Holt's Mammoth. The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter. They are perfectly hardy and make a still larger growth the second season. **Price, each, 15c, 3 for 40c; doz., $1.50. By mail, add 5c each; doz., 20c.**

SAGE. Leaves and tops are used for seasoning and stuffing. **Pkt., 5c; oz., 15c; lb., $1.50.**

SUMMER SAVORY. The leaves and young shoots are used for flavoring, especially for boiled string beans. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

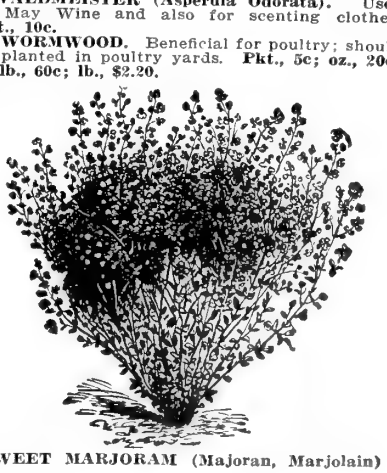
TAGETES LUCIDA. This possesses in its green parts almost exactly the true Tarragon flavor; of easiest culture. **Pkt., 5c; ½ oz., 25c.**

***TARRAGON (Artemisia dracunculus).** For vinegar making. The leaves, dried or fresh, are steeped in ordinary vinegar. A hardy perennial. Plants only. **First size, 25c each; doz., $2.50; 2nd size, 15c each; doz., $1.50. By mail, add 5c ea.; doz., 20c.**

THYME. Used for seasoning; a tea is also made for nervous headache. **Pkt., 5c; ½ oz., 15c; oz., 30c; lb., $3.50.**

WALDMEISTER (Asperula Odorata). Used in May Wine and also for scenting clothes. **Pkt., 10c.**

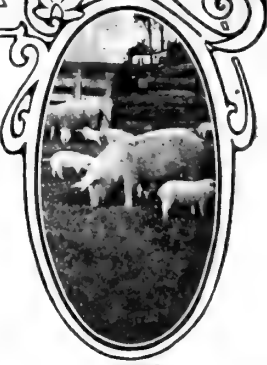
***WORMWOOD.** Beneficial for poultry; should be planted in poultry yards. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.20.**



SWEET MARJORAM (Majoran, Marjolain)

ROOT CROPS FOR STOCK

These are an essential crop for all kinds of stock, since they act as a food tonic, improving the condition and health of the animals. They also increase the flow of milk of dairy cows. All animals need some kind of succulent food and even where ensilage is available, roots are being used in addition, such feeding yielding profitable net gains in either weight or milk. The following succession planted in the spring will furnish succulent feed from September to April—Turnips, Rutabagas and Mangels, the last named not being in proper condition to use before January. Roots are usually chopped or sliced for feeding and should not be fed alone but always with some dry forage.



STOCK CARROTS

Carrots are very valuable for all kinds of domestic animals, and are better for horses than any other root crop. When fed alternately with oats to work-teams on the farm, the value of Carrots has been found to equal the oats they displace. Succulent food, in part, will always prove beneficial. Carrots are best.

Mastodon. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c. By express, 5 lbs., $2.75.**

Vaughan's Half Long Danvers. Another broad-shouldered variety. Round stump rooted and a wonderful producer. Fine for stock, a good table sort. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c. By express, 5 lbs., $3.00.**

Long Orange Belgian. Best long variety. Good heavy cropper for light soils where roots can be easily dug. Exceptionally fine keeper. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c. By express, 5 lbs., $2.75.**

Long White Belgian. Similar to Long Orange, except in color. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c. By express, 5 lbs., $2.75.**

Improved Long Orange. Extra good yielder. Roots long, tapering from shoulder to a point. Largely grown for stock, also good table variety. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c. By express, 5 lbs., $3.00.**

SUGAR BEETS

Grown for sugar manufacture and valuable for stock feed when used sparingly. Our seed is from strains far superior to any usually offered. With proper culture it will produce roots testing a high per cent of sugar.

Vilmorin's Imperial. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels, contains about 16 per cent sugar. **Oz., 5c; ¼ lb., 15c; lb., 50c. By express, 5 lbs., $1.75.**

Klein-Wanzleben. Most popular Sugar Beet. Wedge shape, tapering to long tail. **Oz., 5c; ¼ lb., 15c; lb., 50c. By express, 5 lbs., $1.75.**

Lane's Improved. Heavy yielder; flesh snow white. **Oz., 5c; ¼ lb., 15c; lb., 50c. By express, 5 lbs., $1.75.**

French Red Top Sugar. Hardy, productive. **Oz., 5c; ¼ lb., 15c; lb., 45c. By express, 5 lbs., $1.50.**

TURNIPS AND RUTABAGAS

Early Purple Top Strap Leaved. Early. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $1.75.**

Purple Top White Globe. Large, heavy yielder. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c. By express, 5 lbs., $2.65.**

Yelow Aberdeen. Best for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

Vaughan's Improved Rutabaga. Good cropper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $1.60.**

Hurst's Monarch. Large per cent dry matter. **Pkt., 5c.; oz., 10c; ¼ lb., 15c; lb., 50c.**

Bangholm. Danish Pedigree Seed, Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

For description of Turnips and Rutabagas see page 56.

BARRES SLUDSTRUP MANGEL

BARRES SLUDSTRUP MANGEL

Holds the world's record for dry matter content. This Mangel has been awarded a first-class certificate several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here.

Sludstrup is a long reddish-yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far excels any other variety, in both the weight and feeding value of yield. Our seed is from the best Danish growers. **Oz., 10c; ¼ lb., 20c; lb., 60c.; 5 lbs., $2.25.**

FREE BOOKLET ON ROOT CROPS

MANGELS OR STOCK BEETS

ASK WHEN ORDERING

Giant Eckendorf Mangel. Most popular German Mangel, as it contains a large amount of nutritive matter, while it is also a remarkably heavy yielder. The great yellow roots weighing 15 to 20 pounds each, are cylindrical in form, and since the greater portion is above the surface of the ground, they are easily harvested. **Oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $1.75.**

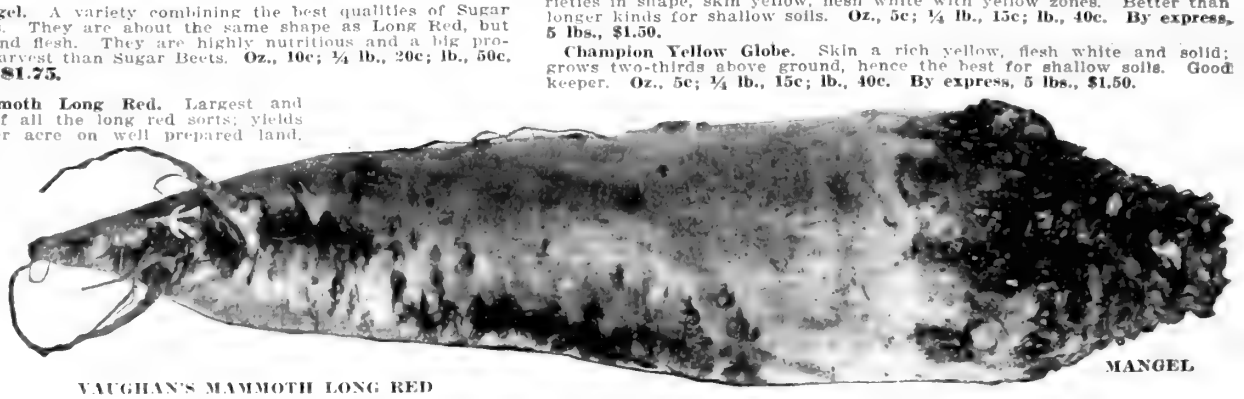
Half Sugar Mangel. A variety combining the best qualities of Sugar Beets and Mangels. They are about the same shape as Long Red, but have white skin and flesh. They are highly nutritious and a big producer. Easier to harvest than Sugar Beets. **Oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $1.75.**

Vaughan's Mammoth Long Red. Largest and heaviest cropper of all the long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, with bright red skin and white flesh veined with pink. Grows well up above the ground, easy to harvest. Splendid dairy feed. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**

Golden Tankard. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Usually grows over half out of ground. Easily pulled, very hardy, good yielder. A very nutritious stock feed. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**

Giant Yellow Intermediate. Ovoid, between the long and globe varieties in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**

Champion Yellow Globe. Skin a rich yellow, flesh white and solid; grows two-thirds above ground, hence the best for shallow soils. Good keeper. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**



VAUGHAN'S MAMMOTH LONG RED

MANGEL

Vaughan's Flower Seeds

General List of Annual Flowers

We have this year abstracted the Perennials from our **General Flower Seed List** and offer them further on in the catalogue with our **Perennial Plants**, a change which will, we are sure, be helpful to our readers as they will know at a glance to which class a plant belongs, while the combining of the **Perennial Plants and Seeds** very much facilitates the ordering of either or both.

QUALITY FIRST has always been our aim in selecting and growing our flower seed stocks and our old reputation of having THE BEST FLOWER SEEDS IN AMERICA is fully maintained in our offerings this year.

We spare no trouble or expense to secure for Vaughan's Special Mixtures the choicest sorts and the widest range of shade and color. We pride ourselves upon them, and our customers may depend upon it that any mixture listed as Vaughan's Special Mixture is the best of its kind in existence. Look for the sign.

VAUGHAN'S SPECIAL

The FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong:

⊙ **Annuals.** These attain full growth from seed, flower and die the first year.

⊙⊙ **Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early enough.

Greenhouse Plants. Start inside and cultivate in pots, or else transplant outside when danger of frost is over.

Stove Plants. To be grown inside all the year round for pots only.

§ **Climbing Plants.**

55 **ABRONIA Umbellata Grandiflora (Sand Verbena)** ⊙ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers, of bright rose with white centre; it delights in a dry poor soil and sunny situations on rockwork. Pkt. 1oz. 15c 05

58 **ABRUS Precatorius** § 12 ft. Beautiful prayer beans. Seeds resemble coral beads; may be used for necklaces. Soak seed in warm water before sowing. 05

62 **ABUTILON Royal Prize (Flowering Maple)** 3 to 4 ft. The elegant drooping bell-shaped flowers are beautifully veined and striped. Planted outdoors in June will bloom profusely throughout the summer. 10

70 **ACACIA Mixed** 6 ft. Magnificent winter and spring-flowering plants, remarkable alike for graceful flowers and foliage. 1 oz. 20c 05

92 **ACROLINIUM Roseum** ⊙ 2 ft. A pretty Everlasting, bearing graceful Daisy-like flowers, pretty bright rose with yellow center, which, when cut in the bud state, can be dried and used for winter bouquets. 05

93 **Roseum Flore Albo.** White, graceful white daisy-like flowers with yellow center. 05

108 **ADONIS Aestivalis (Flos Adonis)** ⊙ 1 ft. Pretty little plant with feathery fresh green foliage, dotted with innumerable small blood-red flowers. 1 oz. 10c 05

115 **AGAPANTHUS Umbellatus (Blue Lily of the Nile)** 1 ft. 10

Ageratum ⊙

One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a mass of charming color.

121 **Mexicanum Coeruleum** 18 in. Beautiful soft lavender-blue, of free branching habit. ¼ oz. 10c 05

122 **Album.** White. ¼ oz. 10c 05

123 **Mixed**. ¼ oz. 10c 05

AGERATUM—Blue Perfection

124 **Nanum Blue Perfection** 9 in. The darkest Ageratum grown from seed. Pkt. ¼ oz. 25c 10

125 **Imperial Dwarf Blue** 6 in. A charming variety, of fine compact growth, covered with heads of feathery flowers of a deep lavender color. ⅛ oz. 15c 05

126 **Imperial Dwarf White**. ⅛ oz. 15c 05

127 **Little Blue Star.** 4 to 5 in. Producing miniature bushes, covered from early summer to autumn with clusters of flowers opening light blue with purple center and developing to a bright blue self. 10

128 **Princess Victoria Louise.** 6 in. This is the prettiest of the dwarf Ageratums. It grows in dense bushy plants covered with lovely sky blue flowers with white centers. 10

129 **Lasseaux.** 3 ft. Plants grow vigorously and produce their soft pink flowers the entire summer. 10

130 **Rose Pearl.** 6 to 8 in. The plants branch and spread freely, and produce their charming, pink, ruby-centered flowers in abundance. 25

131 **Wendlandi Nanum Compactum Album.** 6 in. White flowers produced through the entire summer. 10

135 **AGROSTEMMA Coeli (Rose of Heaven)** ⊙ 1 ft. Remarkably pretty hardy annual of light graceful habit; attractive in flower borders and prized for cutting; flowers light rose, shaded white towards center. ½ oz. 15c 05

136 **AGROSTIS Nebulosa (Cloud Grass)** ⊙ 1½ ft. An airy and graceful annual grass, looks like a line of mist when in bloom. Beautiful to mix with cut flowers. 05

150 **ALONSOA Warscewiczi** ⊙ 2 ft. A fine plant with bright vermilion-scarlet flowers, with golden stamens, suitable for bedding. A sunny spot should be chosen. 10

Alyssum ⊙

159 **Benthami Maritimum (Sweet Alyssum)** This is one of the finest annuals we have for edging and is beloved by many on account of its modest blossoms. It is pleasantly fragrant. It begins to bloom early in the season, and continues until frost. It is a neat, thrifty, healthy grower. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb. $2.25; ¼ lb. 60c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c 05

Alyssum—Continued

Pkt.

160 **Vaughan's Little Gem, Snow-white Carpet Plant.** The plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms, they create the impression of a beautiful carpet spread over the ground. We know of no other flower which is so particularly well adapted for borders, ribbons, etc., as our Little Gem Alyssum. The plants commence to bloom when quite small, and will flower all summer long until late in the fall. This habit, with its fragrance, makes it indispensable.... .....1 oz. 75c; ½ oz. 40c; ¼ oz. 25c 10

Amaranthus ⊙

Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty. When flowered in small pots under glass they are very charming.

170 **Atropurpureus** 4 ft. Beautiful dark purple flowers... 05

171 **Caudatus (Love lies bleeding)** 3 ft. Drooping red spikes 05

172 **Cruentus (Prince's Feather)** 3 ft. Dark red feathery flowers..... 05

173 **Salicifolius (Fountain Plant)** 3 ft. Willow leaved. Graceful red and yellow foliage of drooping habit.... 05

174 **Tricolor Splendens (Joseph's Coat)** 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold..... 05

180 **Fine Mixed.** All the above and many others. 1 oz. 25c 05

181 **AMARYLLIS Hippeastrum New Hybrids** ⌓ Saved from one of the finest collections in Europe; valuable sorts may be raised from this seed..... 25

182 **AMBERBOA Muricata Rosea** ⊙ 1½ ft. A very pretty free-flowering hardy annual, producing on long stems numerous cornflower-like flowers, about 2 in. in diameter, of a charming light pink..... 10

190 **AMBROSIA Mexicana** ⊙ 2 ft. Very curious, long spiral stems, bearing an abundance of small round greenish yellow buds and blossoms which are exceedingly fragrant..... 10

194 **AMMOBIUM Alatum Grandiflorum** ⊙ 2½ ft. This pretty white Everlasting should be in every garden. Grows in sandy soil.....½ oz. 15c 05

200 **ANAGALLIS Grandiflora Mixed** ⊙ 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots.....⅛ oz. 10c 05

228 **ANTIGONON Leptopus (Mexican Mountain Rose)** § 05

Antirrhinum (Snapdragon) ⊙

For gorgeous coloring few flowers can match **Snapdragons.**

The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

Tall Giant Flowering

241 **Queen Victoria** 3 ft. Very beautiful, bearing immense flowers, white shaded cream, with lemon-colored lip.. 10

242 **Golden King**..... 10

243 **Lovely.** Delicate rose with pink lip..... 10

244 **Delicata.** Daybreak pink..... 10

245 **Brilliant Rose**..... 10

246 **Apple Blossom.** A charming pink shade on a white ground, with a white throat..... 10

247 **Silver Pink.** Delicate rosy pink, seemingly covered with a silver sheen..... 15

248 **Coral Red.** Dark rose..... 10

249 **Delila.** Carmine and yellow with white throat..... 10

250 **Brilliant Scarlet**..... 10

251 **Butterfly.** Striped..... 10

252 **Firefly.** Scarlet and white..... 10

253 **Rubin.** An odd and especially brilliant color..... 15

260 **Vaughan's Special Mixture** of Giant Snapdragons includes all the above and many others, ...1 oz. $1.25; ¼ oz. 45c; ⅛ oz. 25c 15

ANTIRRHINUM Vaughan's Special Mixture

Semi Dwarf Giant Flowering

Pkt.

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

261 **Amber Queen.** The ground color is canary yellow overlaid with chamois pink with a gold lip..... 15

262 **Carmine Queen.** Rich rose carmine, a most exquisite variety with very large fringed flowers..... 15

263 **Golden Morn.** Raspberry red and old gold with golden lip, unique color..... 15

264 **Pink Beauty.** Fine deep old rose with small yellow lip; the foliage, which is pale, forms a striking contrast to the rich color of the flower..... 15

265 **Rosy Morn.** A lovely pale, rosy pink, slightly paler lip, white throat..... 15

Dwarf Giant Flowering

267 **Snow Queen** 8 in. Splendid for pots and edging. Beautiful white flowers all summer..... 10

268 **Queen of the North** 12 in. Handsome, regular bushes covered with large white flowers, deliciously sweet.. 10

269 **Aurora.** A very striking color, cinnabar-scarlet with a white throat, a most pleasing and lively contrast.... 10

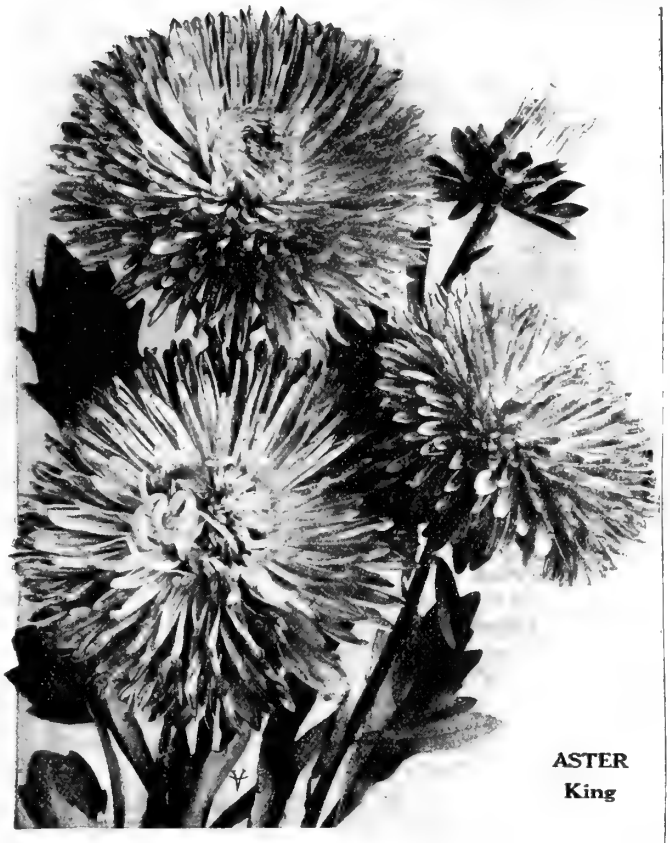
270 **Fireball** 15 in. The color is the most dazzling scarlet. 10

271 **Black Prince**..... 10

272 **Dwarf Sorts Mixed**.....¼ oz. 20c 05

355 **ARCTOTIS Grandis** ⊙ 2 ft. A very lovely species with greyish foliage, and bearing large daisy-like flowers on long stems rising well above the plant; the blooms are white, with narrow yellow central ring and a pretty lavender disc; a valuable plant for beds and pots.. 10

356 **ARGEMONE Grandiflora (The Prickly Poppy)** ⊙ 2 ft. Lovely plants with an ornamental foliage and large handsome Poppy-like flowers snowy-white filled in the centre with golden stamens, very beautiful 10



ASTER
King

357 **ARTEMISIA Saccorum Viridis (Summer Fir)** ⊙ Pkt.
Ornamental foliage plant introduced from China. Reaches its full size in one year from sowing. As a pot plant it is very pretty, and may also be successfully grown in groups and borders. The color of the pinnated foliage is a rich dark green. 15

384 **ASPARAGUS Plumosus Nanus** ⌓ 3 ft. Lace fern. Most popular house plant today. The bright green sprays surpass the Maiden-hair Fern in grace and delicacy of texture. The hard seeds need soaking and bottom heat to sprout them. Vaughan's Greenhouse grown seeds of this are most reliable. 100 seeds 75c; 50 seeds, 40c; 25 seeds, 25c; 9 seeds. 10

385 **Hatcheri** ⌓ § A rapid and heavy-growing Asparagus for indoor culture. The foliage is finer than the Asparagus Plumosus, from which it is a selection...10 seeds 25

386 **Sprengeri (Emerald Feather)** ⌓ A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. 100 seeds, 40c; 50 seeds, 25c; 15 seeds. 10

389 **ASPERULA Azurea Setosa** ⊙ 1 ft. Pretty sweet scented annual with light blue flowers. 05

Dwarf Aster. Up to 10 in.

400 **Vaughan's Little Gem.** Neat bushes covered with flowers of the most charming combination of pink and white. A clump or row of them will form a pleasing spot in the garden. 15

401 **Vaughan's Snowball.** The best dwarf white aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequalled in any other dwarf aster. ⅛ oz. 40c 15

402 **Vaughan's Fire Ball.** The most brilliant dwarf aster. It forms a neat, well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots. ⅛ oz. 40c 15

403 **Vaughan's Pink Pompon.** The best dwarf pink aster, in every respect like the Snowball, except the color, which is the most brilliant satiny rose, turning lighter toward the edges of the flowers. ⅛ oz. 40c 15

ASTERS

During the late summer and early fall the garden is usually a riot of reds and yellows, so the asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition.

In their improved forms one can scarcely tell them from the Chrysanthemums, to which they bear a striking resemblance.

The long stems make them desirable for cut flowers and the blooms last long in water.

It should be remembered however in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers. We offer a leaflet on the culture of asters which is supplied free if asked for at the time of ordering.

Dwarf Section—Continued

404 **Gloria or Buttonhole.** Very branching and free blooming. The flowers, 1½ inches in diameter, are pure white, with a beautiful scarlet margin. It is the prettiest aster we know of for buttonhole wear or small vases. Pkt. 15

Dwarf Queen

This splendid aster makes low, compact, bushy plants, which produce a great number of double, extra large flowers like the Victoria aster, 3 inches across. Excellent for bedding and for pots.

410 **White** 10
411 **Pink** 10
412 **Crimson** 10
414 **Dark Blue** 10
415 **Flesh** 10
416 **Lilac** 10
417 **All Colors Mixed** 10

Dwarf Chrysanthemum Fowered

Of very compact growth; 3½-inch flowers; free flowering and later than other varieties, therefore valuable for succession.

418 **White**
419 **Rose**
420 **Scarlet**
421 **Light Blue**
422 **Dark Blue**
423 **Azure Blue**
425 **Crimson**
426 **Peach Blossom**
427 **White,** turning to Azure Blue
428 **White,** turning to Rose
Each of the above. ⅛ oz. 30c 10
430 **All Colors Mixed**. ⅛ oz. 25c 10

Semi-Tall Section. 11 in. to 16 in.

Giant Comet

This giant class is an improvement on the old and inferior Comet class, not only in bearing much larger flowers, but the petals are longer and broader.

431 **White**
432 **Sulphur Yellow**
433 **Queen of Spain,** soft yellow turning to flesh
439 **The Bride,** white turning to pink
434 **Salmon Rose**
435 **Rose**
436 **Carmine**
437 **Crimson**
438 **Light Blue**
440 **Lavender**
441 **Dark Blue**
Each of the above. ¼ oz. 40c; ⅛ oz. 25c 10
442 **All Colors Mixed**. ¼ oz. 35c; ⅛ oz. 20c 10

Daybreak

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

470 **Purity.** Pure white 10
471 **Daybreak.** Shell-pink. 10

The Mikado

Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl on each other in such magnificent disorder as to make the fluffiest aster we have ever seen.

480 **White**. 15
481 **Pink Rochester.** Exquisite shade of shell-pink. The official flower of the city of Rochester, New York. 15

Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

485 **White**
486 **Flesh**
487 **Pink**
488 **Crimson**
489 **Scarlet**
490 **Silvery Lilac**
491 **Dark Lilac**
492 **Dark Blue**
Each of the above. ¼ oz. 25c 10
493 **All Colors Mixed**. ¼ oz. 20c 10

TALL SECTION

VAUGHAN'S

ASTER
Giant Ostrich Feather

Vaughan's Improved Victoria

Flowers are large, perfectly double, globular and imbricated; plants are of fine pyramidal form, an effective bedding variety.

				Pkt.
500	**White**	506	**Crimson and White**	
501	**Miss Roosevelt.** Primrose changing to flesh	507	**Light Blue**	
		508	**Azure Blue**	
		509	**Dark Blue**	
502	**Apple Blossom.**	510	**Dark Blue and White**	
503	**Pink**			
504	**Crimson**	511	**Indigo Blue on White Ground**	
505	**Scarlet**			
	Each of the above ..... ⅛ oz. 50c			10
512	**All Colors Mixed** ..... ⅛ oz. 35c			10
513	**Imported Collection 12 Varieties**			60
514	**Imported Collection 6 Varieties**			30

Crego

This flower is giant in size, many blossoms six inches across. The petals are nearly double the length of the older varieties and are twisted and curled into a very fluffy effect.

		Pkt.			Pkt.
515	**White**	20	517	**Rose Pink**	20
516	**Shell Pink**	20	518	**Lavender**	20

529 **Vaughan's Beauty.** A splendid red sort resembling the Victoria aster in shape and size of flowers. The color is the brightest red imaginable, with a satiny gloss 10

Carlson or Invincible

The Early Branching Aster. The flowers are large and firm; the stems long and stiff, and the colors are decided and pleasing. The plants grow about 24 in. high and come into bloom about 10 days before the Giant Branching Aster.

				Pkt.
530	**White**	533	**Lavender**	
531	**Daybreak Pink**	534	**Violet Blue**	
532	**Rose Pink**			
	Each of the above ..... ⅛ oz. 25c.			10
535	**All Colors Mixed** ..... ⅛ oz. 20c.			10

Vaughan's Giant Branching

Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

				Pkt.
540	**White**	544	**Cinnabar Carmine**	
541	**White Turning to Rose**	545	**Crimson**	
		546	**Scarlet**	
542	**Flesh Pink**	547	**Lavender**	
543	**Rose Pink**	548	**Purple**	
	Each of the above ..... ⅛ oz. 25c.			10
549	**All Colors Mixed** ..... ⅛ oz. 20c.			10

560 **Hercules White.** The plants throw very strong stems, which begin branching about 4 in. from the ground and bear at the summit the main central flower, while the side shoots carry 4 to 6 secondary blooms. Flowers are pure white, with long petals, borne on remarkably strong stalks 25

Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

				Pkt.
563	**White**	566	**Rose**	
564	**The Bride.** White changing to pink	567	**Crimson**	
		568	**Silvery Lilac**	
565	**Soft Pink**	569	**Blue**	
	Each of the above ..... ⅛ oz. 30c.			10
570	**All Colors Mixed** ..... ⅛ oz. 25c.			10

571 **Soleil D'or (Golden Sun).** This is the best yellow Aster. The flowers are of good size, they are borne on long stems; the color is a pleasing light yellow 15

572 **Buff Beauty.** A charming Aster of the Giant Japanese section. The flowers are of a beautiful, pale primrose suffused with pink, giving a pretty apricot effect 10

573 **Gypsy Girl.** Large pyramidal shaped bushes about 24 inches high, each individual plant making a large bouquet. The flowers are carried well above the foliage, on long, stiff stems, and are fluffy white. This variety is an especially fine selection from Giant Ostrich Plume. 15

The King

The habit is similar to the popular Giant Branching, vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom round, full and very large.

		Pkt.			Pkt.
575	**Rose**	10	578	**Pink**	10
576	**Violet**	10	579	**White**	10
577	**Royal Purple**	10	585	**Purple**	10

Vaughan's Excelsior Mixture of Dwarf Asters.

VAUGHAN'S SPECIAL

525 Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required we recommend planting our **Excelsior Mixture.** It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed especially selected for this mixture, insuring satisfaction to the grower ..... ⅛ oz. 50c; extra large pkt. 25c; pkt 15

ASTERS TALL SECTION

The Royal

A new class of American aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer. Pkt.

685 **Purple** 10

New American Astermum

An attractive and descriptive name for a new race of asters which belong to the Comet family. The plants are of strong upright growth with 12 to 15 strong stems 20 inches long, each carrying a flower of perfect form.

590 **Snow White** ..... 15 591 **Rose Pink** 15

592 **Dark Lavender** 15

Other New American Varieties

595 **Lavender Gem.** One of the most charming sorts. The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long firm stems 15

597 **White Fleece.** A large and early flowering variety of the Comet family, with snowy white flowers which sparkle in the sunlight 15

600 **Peerless Pink.** The flowers are enormous, globular in shape, many five inches across, of a most delightful and pleasing rich shell pink. First flowers appear about the middle of August, but the plant is at its zenith about four weeks later 15

601 **Crimson Giant.** This shade has been one which has seemed to lack intensity of color, but in this variety the blood red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden 15

605 **Enchantress Pink.** This is the same color as the well known Carnation. It is a midseason variety and the form of flower while loose, is compact. The inner petals are broad and fold in perfect circles, each petal overlapping the next. The outer petals gradually lose this trait until they stand out straight from the center. 15

607 **Pink Beauty.** Upright and sturdy growth, stems twenty inches long. Petals of flowers are incurved and a charming shade of pink 15

610 **Sensation.** Bushy and branching plant about two feet high, flowers double and incurved, resembling a Dahlia and the flower a lively cardinal red. This combination results in a most desirable addition to this family. 15

611 **White Asters In Mixture.** Composed of all the tall growing white sorts ..... ⅛ oz. 25c 10

620 **Asters' Tall Mixture.** All classes and colors. If one has a large space where the cultivation of flowers is for cut flowers only, we would suggest a liberal planting of this mixture of Asters, and while the newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included, in this, and the flowers will be in succession from early in the summer to late in the fall ..... 1 oz. 75c; ¼ oz. 25c 05

621 **Asters, Dwarf Mixture, All Classes and Colors.** This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely. Does not contain as many sorts as the Excelsior, but all the standard colors are represented ..... oz. $1.00; ⅛ oz. 20c 05

ASTER—Giant Branching

Single Elegance or Marguerite Aster

Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers, and last a week when cut.

627 **White,** 628 **Lavender,** 629 **Dark Blue,** 630 **Light Rose** Pkt.
Each of the above 10

660 **BALLOON VINE (Love in a Puff)** ⊙ §. A rapid-growing annual climber; flowers white; seed vessels like miniature balloons ..... oz. 20c 05

661 **BALSAM, Apple and Pear Mixed** ⊙ § 10 ft. Very ornamental foliage and yellow fruit, which opens when ripe, showing the seed and the blood-red interior oz. 35c 05

Brachycome Iberidifolia ⊙ 12 in.

(Swan River Daisy)

Free flowering dwarf growing annuals, covered during the greater part of the summer with a profusion of pretty flowers.

737 **White** 739 **Blue**
738 **Pink** 740 **All Colors Mixed** } Each .. ⅛ oz. 10c 05

741 **Blue Star.** The plants are models of form and crowned with multitudes of blue daisy-like flowers. The blossoms may be described as star-like Cinerarias. 15

742 **Snow Star.** The flowers appear as snow crystals in a mass of green in midsummer. One of the daintiest edging plants 15

744 **BRIZA Maxima (Quaking Grass),** ⊙ **12 in.** Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion 05

Vaughan's Excelsior Mixture of Tall Asters

VAUGHAN'S SPECIAL

625 This is a mixture of the most beautiful, striking and distinct colors of all the tall growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of **Tall Asters** in existence and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain ..... ⅛ oz. 50c; extra large pkt. 25c; pkt 15

Double Balsam (Lady Slipper) 1½ to 2 ft.

BALSAM—Vaughan's Invincible Mixed

An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant-colored double flowers in the greatest profusion.

Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

675 **Alba Perfecta.** Pure white.
676 **Lemon Yellow.**
677 **Flesh Pink.**
678 **The Queen.** Pale rose.
679 **Prince Bismarck.** Salmon pink.
680 **Crimson.**
681 **Crimson Spotted**
682 **The King.** Brilliant scarlet.
683 **Atrosanguinea Plena.** Flowers and leaves, red.
684 **Solferino.** Striped lilac, white and scarlet.
685 **Lilac.**
686 **Dark Blue.**

Each of the above, ⅛ oz.. 15c; pkt., 05

689 **Double Rose and Camellia-flowered Mixed** ½ oz. 15c; pkt. 05

690 **Vaughan's Invincible Balsams Mixed.** Mixed from separate colors and includes everything that is desirable in Balsams..... ¼ oz. 35c — Pkt. 10

691 **Dwarf Balsams Mixed** 8 in. Perfect little bushes with double and semi-double flowers, the colors are pretty and pleasing..... ¼ oz. 25c — 05

692 **Goliath White** 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups 10

693 **Goliath Scarlet.** Extremely brilliant, large and very double 10

694 **Giant Cream.** A beautiful, rich, creamy, primrose color. Exceedingly double and of fine robust form... 10

696 **BARTONIA Aurea** ⊙ 12 in. Large golden blossoms and ornamental foliage. Valuable for borders and rockeries..... ½ oz. 15c — 05

Begonia ⌓ 8 to 10 in.

Tuberous-rooted Begonias

For brilliancy of colour, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias offered. For greenhouse decoration and for summer bedding they are unequalled. Seedlings raised in heat early in spring will flower the same summer.

700 **Single Tuberous-Rooted Mixed.** Saved from finest Exhibition varieties, all having large well formed flowers of many brilliant shades of color 20

701 **Tuberous-Rooted Mixed.** Producing on strong erect stems an abundance of very double flowers ranging from brilliant rose to carmine, often with white margin or mottling, very striking 25

702 **Frilled Tuberous-Rooted.** Seed saved from selected, best frilled flowers..... 25

703 **Tuberous-Rooted Lafayette Hybrids.** Superb varieties of scarlet shades and bronze leaves..... 25

704 **Lloydi.** Pendulous double flowering begonia with flowers of rose, carmine and other shades 25

705 **Hybrida Gigantea Duplex.** The petals are in double or triple layers, waved and all shades of color..... 25

706 **Hybrida Fl. Pl. Pendula.** Pretty hanging shoots covered with double flowers in light and dark rose, salmon, carmine and bright red shades..... 25

Begonia Semperflorens

Fibrous-rooted Begonias

A continuous-flowering section of begonias of the greatest value for bedding; the flowers, although small, are of brilliant colours and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make valuable decorative plants for the greenhouse during winter.

707 **Erfordia.** A very pretty variety, densely covered with handsome flowers of a delicate rose color..... — Pkt. 15

708 **Gracilis Bonfire** 14 in. Large lustrous carmine flowers with handsome metallic-brown foliage..... 15

709 **Gracilis Luminosa.** Large bright scarlet flowers.... 20

710 **Gracilis Mignon** 8 in. The plants are covered with blossoms of a fiery scarlet hue. Foliage soft dark green, spotted and bordered with bronzy red..... 15

711 **Gracilis Prima Donna** 1 ft. Forms a broad, full bush with dense foliage. The flowers are a brilliant clear pink, shading to carmine rose 25

712 **Semperflorens Alba.** Pure white..... 10

713 **Semperflorens Atropurpurea Vernon.** Bright orange carmine flowers, deepred foliage..... 10

714 **Berna.** Flowers large, bright carmine-red..... 15

716 **Rex** ⌓ Ornamental leaved in splendid mixture, 250 seeds 30

730 **BIDENS Atrosanguinea** ⊙ 2½ ft. (**Black Dahlia, or Black Cosmos.**) Produces an abundance of crimson-maroon, velvety flowers, 4 in. in diameter.... 05

731 **Dahlioides.** The flowers are very large, single pink or white with yellow centers, on long stems..... 10

Browallia ⊙ 1 ft.

One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

745 **Speciosa Major.** A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases, but is especially valuable as a pot plant for winter and early spring flowering 10

746 **Elata Mixed.** Blue and white 05

748 **BRYONOPSIS Laciniosa** ⊙ § 10 ft. An ornamental climber of the gourd family, bearing green fruit which change in color to bright scarlet striped white..... 05

750 **CACALIA** ⊙ 2 ft. (**Tassel Flower or Flora's Paint Brush.**) A very attractive border plant with brilliant orange-scarlet flowers, which are much prized for bouquets and vases..Pkt., 05

751 **CACTUS, Mixed.** All the best kinds .....Pkt., 10

754 **CALANDRINIA Umbellata** ⊙ 6 in. Flowers dazzling magenta, ½ in. in diameter, produced all summer; pkt., 10

755 **CALCEOLARIA Hybrida Grandiflora (Pouchflower)** Fine Mixed. ⌓ 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. Pkt., 300 seeds, 25

BEGONIA—Gracilis Luminosa

Calendula (Pot Marigold) ⊙ 1 ft.

This is the "Marygold" of Shakespeare's time; one of the best and showiest free flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring. Pkt.

766 **Officinalis Orange King.** The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. ½ oz. 10c 05
767 **Officinalis Sulphur Queen.** Large sulphur yellow.. 05
768 **Officinalis Meteor.** Apricot-orange, striped primrose, 05
769 **Pongei Flore Pleno.** Double white flowers..... 05
770 **All Colors Mixed.** For woodlands, wild gardens. Each of the above ½ oz. 10c..... 05

California Poppy. See Eschscholtzia.

Calliopsis (Tickseed) 6 in. to 2 ft.

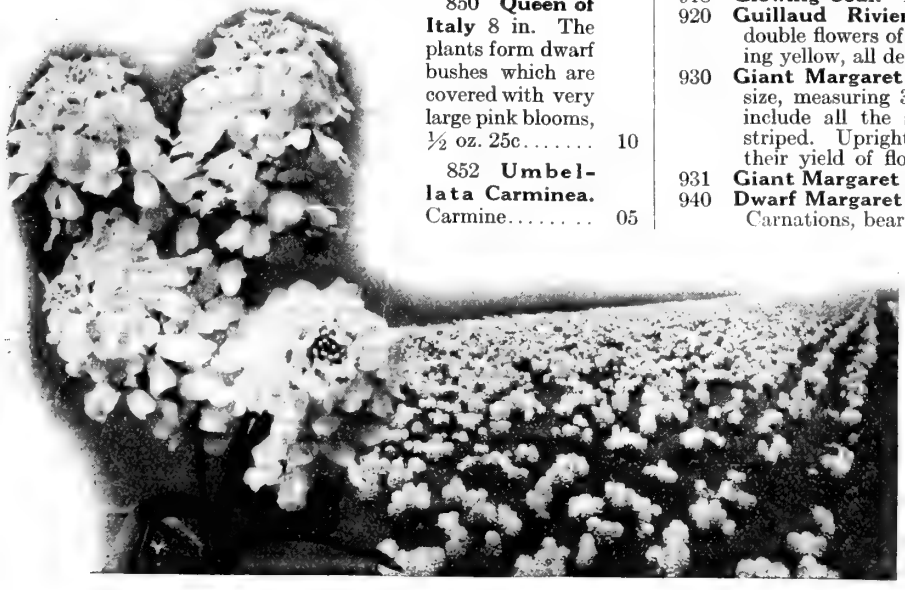
Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colours are highly appreciated.

780 **Crown of Gold (Coronata Maxima.)** Splendid cut-flower. Pure golden yellow, 2 to 3 inches across, on long wiry stems; hardy and blooms nearly all season.. 10
781 **Golden Ray** 6 to 8 in. Flowers golden yellow with dark purplish-brown center..... 10
782 **Drummondi, Golden Wave** 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye, ¼ oz. 10c 05
783 **Hybrida Superba.** Forms dense bushes desirable for pots, groups and borders..... 10
784 **Radiata Tigrinia, (Tiger Flower)** 6 to 8 in. Flowers large reddish-brown, turning golden-yellow..... 10
785 **Tall Varieties, Mixed.** Valuable for wild gardens, etc., and for cutting.....¼ oz. 10c 05
787 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders.....¼ oz. 10c 05
790 **Double Mixed**.....¼ oz. 10c 05
800 **Vaughan's Special Mixture.** This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it.....½ oz. 30c 10
840 **CANARY BIRD VINE** ⊙ § 15 to 20 ft. Neat and attractive climber, yellow flowers freely produced with tender green foliage.....½ oz. 15c; 1 oz. 25c 05

Candytuft ⊙

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting the flowers are greatly prized.

845 **Giant Hyacinth-Flowered White.** 1 ft. A grand border plant, bearing very large bold spikes of snowy white flowers, habit sturdy and compact; ½ oz. 25c.. 10
848 **Snowflake** 7 in. The plants form very neat, round bushes, covered with pure white flowers....¼ oz. 20c 10
850 **Queen of Italy** 8 in. The plants form dwarf bushes which are covered with very large pink blooms, ½ oz. 25c..... 10
852 **Umbellata Carminea.** Carmine..... 05



CANDYTUFT—Vaughan's Hyacinth-flowered.

CANDYTUFT—Continued

854 **Umbellata Purpurea.** Crimson..... Pkt. 05
856 **Umbellata Lilacina.** Lilac... 05
857 **Hybrids, Mixed.** Plants of fine compact growth, covered with large flowers ranging in color from rose, salmon, coral-pink and delicate blush, to lilac and purple crimson; valuable for borders and cutting... 10
860 **Mixed All Colors.** Lb. $1.00; ¼ lb. 35c; oz. 15c; ½ oz. 10c 05

CALLIOPSIS (Tickseed)

Canna 2½ to 8 ft.

900 **Giant-Flowered, Mixed.** (For remarks see page 112) Pierce the seed in one spot with a file and soak in luke warm water for 24 hours before sowing. Named Cannas do not come true from seed, so we only offer the seed in mixture..1 oz. 35c; ½ oz. 20c..... Pkt. 10

Carnations ⊙ ⊙

The Carnation has long been prized as a hardy border flower, and it certainly deserves all the praise lavished upon it. Being hardy, free-flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favourite with everyone. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

910 **Chabaud Mixed.** A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion.....100 seeds 15
911 **American Hybrids.** A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession.....25 seeds 25
912 **McKinley.** A brilliant scarlet variety..... 15
914 **Marie Chabaud.** Pure canary yellow.....50 seeds 25
918 **Glowing Coal.** Intense brilliant scarlet.....50 seeds 25
920 **Guillaud Riviera Market.** Producing nearly all double flowers of fine form and delicate shades, including yellow, all delightfully fragrant..... 25
930 **Giant Margaret Mixed.** The flowers are of very large size, measuring 3 in. or more in diameter; the colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support, their yield of flowers is wonderful.....100 seeds 15
931 **Giant Margaret White**.....50 seeds 15
940 **Dwarf Margaret Mixed.** A verybeautiful race of dwarf Carnations, bearing a profusion of clove-scented flowers of rich and delicate colors. Seed sown in February flowers out of doors in July.....100 seeds. 10
950 **Margaret, Double Mixed.**
952 **White** 956 **Pink**
954 **Yellow** 958 **Striped**
960 **Red**
Each of the above..⅛ oz. 30c 05
975 **Vaughan's Special Carnation Mixture.** This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florists' Carnation. They may be lifted in Sept., potted and will bloom all winter in the house.100 seeds 25

CELOSIA—Pride of Castle Gould

CENTAUREA—Imperialis White

CHRYSANTHEMUM

Celosia Cristata (Coxcomb), Dwarf ⊙ 8 in.

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

		Pkt.
1010	**President Thiers.** Fine dwarf habit, with bronzy foliage, and large handsome velvety crimson combs....	10
1012	**Fire King.** Rich fiery orange scarlet.....	10
1014	**Empress.** Blood red combs and brown foliage.....	10
1016	**Aurea.** Golden yellow combs.....	10
1018	**Rosea.** Pink combs.....	10
1019	**Imported Collection 6 Varieties**.....	25
1020	**Dwarf Mixed.** All the above and others....⅛ oz. 30c	10

Tall Feathered Varieties, 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

1022	**Plumosa Aurea.** Orange ostrich plume.....	05
1024	**Coccinea.** Crimson ostrich plume.....	05
1025	**Mixed**.....¼ oz. 15c	05
1027	**Pride of Castle Gould.** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades.....	25
1030	**Plumosa Thompsoni Magnifica.** A good strain of the Ostrich Plume Celosias.....¼ oz. 25c	10
1035	**Cristata, Tall Coxcomb Mixed**.....¼ oz. 15c	05
1040	**CENTAUREA Americana Alba** ⊙ 2½ ft. Star Thistle. Grows to a large size in one season and the immense heads of double fluffy blooms are quite as showy in flower borders as Hollyhocks. Almost pure white....	10

Centaurea Cyanus (Bachelor Button) ⊙ 2 ft.

Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes with the English Scarlet Field Poppy.

1045	**Blue Emperor.** Single blue.....1 oz. 15c; ½ oz. 10c	05
1050	**All Colors Mixed**.....1 oz. 15c; ½ oz. 10c	05
1052	**Double Blue.** Same shade as the Blue Emperor. Flowers semi-double with remarkable lasting qualities.	10
1053	**Double Lawson Pink.** A very charming color, semi-double flowers which make good cut flowers during their long season of bloom.....	10
1060	**Double Mixed**.....1 oz. 25c; ½ oz. 15c	05
1062	**Victoria.** Dwarf, 9 in. For pots and edging. Blue.	10

Imperialis (Giant Sweet Sultan), 2½ ft.

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet scented, artistic shaped flowers are borne on long, strong stems, and when cut will stand for several days in good condition.

1064	**White.** ¼ oz. 25c..... 1066 **Lilacina.** Dark Lilac.	10
1065	**Favorita.** Brilliant Rose 1067 **Splendens.** Pur. crimson	10
1068	**Mixed**.....	05
1069	**Moschata Mixed.** Sweet Sultan, white, red and blue.	05
1070	**Suaveolens.** Yellow Sweet Sultan, 1 oz. 35c; ½ oz. 20c	05
1075	**Vaughan's Special Mixture of Centaureas** is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer.....1 oz. 50c; ½ oz. 30c	10

1082	**CENTROSEMA Grandiflora (Butterfly Pea).** ⊙ § ⌓ 10 ft. Pea-like flowers, purple and white....	Pkt. 05

Chrysanthemum ⊙ 2½ ft.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants, good for pot culture and quite distinct from the autumn flowering varieties.

Single Flowering Varieties

1088	**Morning Star.** Primrose with golden yellow center.	05
1089	**Evening Star.** Large golden yellow flower..⅛ oz. 15c	05
1090	**Carinatum, Eclipse.** Yellow with dark brown disk...	05
1092	**Golden Feather.** Foliage striking yellow; flower with a crimson ring near center.....	05
1094	**The Sultan.** Crimson maroon.....	05
1095	**Silver Queen.** Flowers pure white with a zone of clear bright yellow overlaid with silver.....	10

Double Flowering Varieties

1096	**Double White**..... 1098 **Dbl. Sulphur Yellow**..	05
1097	**Double Golden Yellow** 1099 **Dbl. Fine Mxd.** ½ oz. 15c	05
1102	**Inodorum Plenissimum, Bridal Robe.** 10 in. These sturdy little plants throw out their finely cut foliage from the base and deck themselves with a mantle of extra double pure white flowers.....	10
1110	**Vaughan's Special Mixture of Annual Chrysanthemums.** Single and double sorts in finest mixture, including many new varieties not catalogued above.....½ oz. 25c	10

The following are valuable for winter-flowering in pots:

1112	**Frutescens** ⌓ Paris daisy or Marguerite. Large white star-shaped flowers.....	10
1114	**Chinese and Japanese Varieties Mixed.** If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall....100 seeds	15

Cineraria ⌓ 18 in.

As decorative and ornamental plants for winter decoration the Cinerarias take a foremost place, and their handsome flowers may be enjoyed by any one possessing an ordinary greenhouse where frost is excluded.

1125	**Vaughan's Columbian Mixture.** This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors.....	25
1128	**Hybrida Good Mixed**.....	05
1130	**Maritima, Diamond** ⌓ For bedding, not for flowers..	10

Clarkia ⊙

Clarkias are popular summer annuals, all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely, and are exceedingly bright and attractive, especially in large masses.

1131	**Brilliant.** Double flowers, produced on long spikes, of a brilliant salmon scarlet.....	10
1132	**Scarlet Queen.** The flowers are a double salmon orange and develop to a glowing orange scarlet.....	10
1133	**White Prince.** Very double pure white.....	10
1134	**Elegans, Double and Single Mixed**.....1 oz. 25c	05

COBAEA Scandens

CONVOLVULUS (Morning Glory)

COSMOS

1135 **CLEOME Pungens (Spider Wort)** ⊙ 5 ft. A showy garden annual producing curious heads of flowers of bright rose color with long antennae-like stamens; of easy cultivation, blooming early until late. . ½ oz. 20c Pkt. 05

1136 **CLIANTHUS Dampieri (Glory Pea of Australia),** ⌓ 2 ft. Trailing clusters of bright red flowers with a jet black spot 10

1140 **COBAEA Scandens (Cathedral Bells)** ⊙ § 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and of a purplish-lilac. A very vigorous and prolific bloomer. . . . . ¼ oz. 15c 05

1142 **Flore Albo.** White 10

1145 **Mixed.** White and blue 10

1146 **COCCINEA Indica** ⊙ § A remarkably pretty annual climber; luxuriant Ivy-like foliage; small flowers followed by numerous fruits 2 inches long, which turn to brilliant scarlet, spotted with white 10

1148 **COIX Lachrymae (Job's Tears)** ⊙ 2 to 4 ft. The seed is frequently used as an old-fashioned remedy for sore throat, goiter and teething babies. It is strung on a linen thread and worn around the neck as a chain . . . . . 1 lb. 60c; ¼ lb. 20c; 1 oz. 5c

1150 **COLEUS, Vaughan's Mammoth Rainbow Mixture** ⌓ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches in length and 8 inches in width, heart shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich, comprising all the reds, metallic greens and yellows to nearly black 15

VAUGHAN'S SPECIAL

1152 **Fine Mixed** 05

1154 **COLLINSIA Mixed** ⊙ 18 in. All species are brightly colored and excellent for growing in clumps . . . 1 oz. 25c 05

1156 **COMMELINA Sellowiana** ⌓ 1 ft. Plants are of graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butterfly-like blossoms of dainty blue color 10

Convolvulus Major ⊙ §

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers. Succeeds under almost all circumstances.

1160 **White** . . . . . 1163 **Striped** . . Each 1 oz. 10c 05

1162 **Crimson** . . . . . 1164 **Blue** . . . Each 1 oz. 10c 05

1165 **All Colors Mixed** . . . . . 1 lb. 60c; ¼ lb. 20c; 1 oz. 10c 05

1166 **Imported Collections.** 8 varieties 20

1168 **Double Mixed.** The flowers are double and semi-double and some are fringed, which give an appearance of a double flower . . . . . 1 oz. 15c 05

1169 **Mauritanicus.** Blue flowers; for hanging baskets 05

Dwarf Morning Glory 1 ft.

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun. Pkt.

1170 **Blue** . . . . . 1171 **Rose Queen** . . Each 1 oz. 15c 05

1172 **All Colors Mixed** . . . . . 1 oz. 15c 05

1173 **COSMIDIUM Orange Crown** ⊙ 2 ft. The flowers are golden-yellow with a broad circle of a rich orange around the disk, a pleasing combination. Plants produce a succession of bloom throughout the summer and the flowers last well in water 10

Cosmos ⊙ 6 ft. Giant Flowered

Autumn blooming plants of exceedingly graceful habit. The dainty flowers are poised butterfly-like on the feathery green foliage. If stopped when half grown, the plants bloom much earlier, the check inducing immediate flowering. This novelty should not be sown north of Chicago as the early frosts are liable to take them.

1180 **White.** (Pond Lily) . . . . . ½ oz. 15c 05

1182 **Pink.** (Pink Butterfly) . . 1184 **Crimson** . . ½ oz. 15c 05

1185 **Klondyke.** A gorgeous orange-yellow flower with very handsome foliage more coarsely laciniated than others . 10

1186 **Lady Lennox.** Flowers, shell-pink . . . . . ½ oz. 25c 10

1188 **Marguerite.** Fringed finest mixed 10

1189 **Striped.** Flowers with large white centers, the petals being deeply striped with white 10

1190 **Giant Mixed** . . . . . 1 oz. 25c ½ oz. 15c 05

Early Flowering

These are dwarfer than those offered above, bloom earlier, in fact, at mid-summer the bushes are fairly smothered with their attractive flowers.

1195 **White** . . . 1196 **Pink** . . . 1198 **Crimson** . . Each 10

1200 **Early Flowering All Colors Mixed** . . . . . ½ oz. 30c 10

1202 **CUPHEA Platycentra (Cigar Plant)** ⌓ 10 in. Small scarlet and black tubular flowers; dark green foliage . . . 20

Cyclamen (Alpine Violet) ⌓ 1 ft.

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

Giant German Grown

1205 **Pure White (Mont Blanc)** 1206 **Dark Crimson**

1207 **Rosa von Marienthal (Daybreak Pink)**

1208 **Dark Rose** 1209 **White,** with Carmine Eye.
Each of the above . . . . . 10 seeds 15c; 100 seeds 75c

1210 **Giant Flowered Cyclamen.** Extra choice mixed . . . . .
10 seeds 15c; 20 seeds 25c; 100 seeds 65c

Giant Orchid Flowered

These are exceptionally fine, with large flowers that are frilled and fringed in wonderful fashion.

1211 **Pure White** 1212 **Red** 1213 **Pink**

1214 **White,** with Carmine Eye 1215 **Lilac**
Each of the above . . . . . 10 seeds 15c; 100 seeds $1.00

1216 **Giant Orchid Flowered Cyclamen,** choicest mixture
. . . . . 15 seeds 15c; 100 seeds 90c

DIANTHUS (Garden Pinks)

CYCLAMEN—Continued

Giant English Grown

1217 **Princess May.** Pale pink. 1219 **Mauve Queen.** Mauve.
1220 **Duke of Fife.** Dark rose. 1221 **Salmon King.** New color.
1222 **Rosy Morn.** Delicate rose color. Claret base.
1223 **Grandiflora Alba.** The largest giant white grown Pkt.
1224 **Excelsior.** White, with red base.
Each of the above.....10 seeds 20c; 100 seeds $1.50 ..
1225 **CYPERUS Alternifolius (Umbrella Plant)** ⌓ 1½ ft. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape..... 10

Cypress Vine ⊙ § 10 ft.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

1226 **White**..... 1227 **Crimson**...½ oz. 15c 05
1228 **Mixed**.....½ oz. 10c 05
1229 **Ivy-Leaved Scarlet.** A rapid growing variety with deeply lobed, ivy-like leaves, and small fiery scarlet flowers..... 05

Dahlia ⊙ 𝔍 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate as easily and certainly as Zinnias, and from the very first development are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

Single Flowering

1230 **Collarette, Mixed Colors.** Flowers of various colors, adorned with a collar of small petals around the center, novel and beautiful..... 10
1231 **Colossal.** The flowers are composed of three or more whorls of wide overlapping petals—one above the other. Stems are long and rigid, bearing flowers well above the foliage; the colors are rich and varied..... 10
1232 **Twentieth Century.** Immense single flowers, 4 to 6 inches across, white, marked carmine and pink; very handsome..... Pkt. 10
1233 **Giant Perfection Mixed.** The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color.....¼ oz. 25c 10
1234 **Exhibition Mixed.** A very choice selection from large single flowers, with broad-edged petals in various colors 10

Double Flowering.

1237 **Double Good Mixed**.....¼ oz. 30c 05
1238 **Double Cactus Flowered Mixed.** With twisted and curled petals..... 15
1239 **Double Best Mixed.** Saved from show and fancy sorts. 15
1240 **Vaughan's Special Mixture.** This mixture contains seeds from the best collections in Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts.....60 seeds 25

Datura (Angel's Trumpet) ⊙ 3 ft.

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make grand pot plants for the greenhouse.

1242 **Cornucopia (Horn of Plenty).** Immense flowers, triplicate in form, like three cones, one within the other, color rich violet, with white interior..... 10
1243 **Golden Queen.** Very large double bright yellow flowers, a fine pot plant..... 10
1244 **Double White**..... 05
1245 **Double Fine Mixed**.....¼ oz. 15c 05

Delphinium (Larkspur) ⊙

These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The **Emperor, Hyacinth-flowered** and **Branching varieties** bloom a little later than the **Stock-flowered.** Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring.

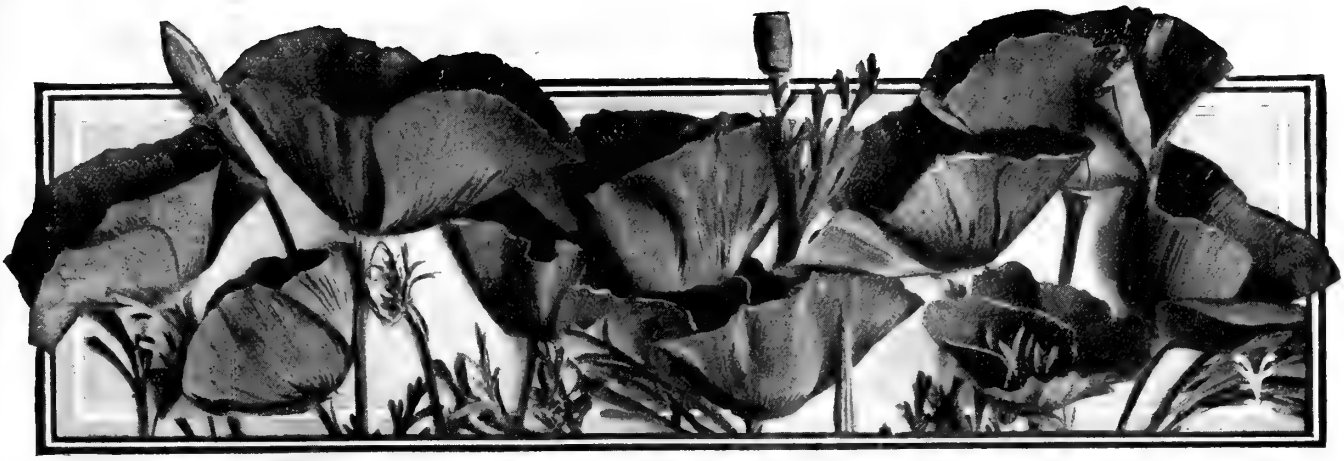
1261 **Stock-Flowered Lustrous Carmine**
1262 **Flesh Color** 1264 **White**
1263 **Lilac** 1265 **Dark Blue**
Each of the above..... 10
1266 **Imported Collection.** 6 varieties Larkspur, Stock-flowered..... 25
1267 **Giant Hyacinth-Flowered Mixed** 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors.....¼ oz. 15c 05
1270 **Tall Rocket Mixed** 2½ ft. Throws up one single column of bloom.....¼ oz. 10c 05
1275 **Dwarf Rocket Mixed** 1 ft.....¼ oz. 10c 05
1278 **Emperor Mixed.** Produces an abundance of long, slender spikes in the most delicate colors...¼ oz. 10c 05
(See also page 92).

Dianthus (Garden Pinks) ⊙ 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly.

Single Flowering

1318 **Crimson Belle.** Large handsome flowers of a beautiful blood-crimson color..... 05
1319 **Eastern Queen.** Large and beautiful flowers, marbled rose and white..... 05
1320 **Single Japan Pink Mixed.** Great range of colors. 05
1321 **Mirabilis.** Single Wonder Pink. The petals are deeply cut into fine strips of threadlike fringes. All shades from pure white to deep purplish red..... 05
1322 **Superbissimus.** A fine strain producing giant single flowers with very broad petals, colors brilliant velvety crimson, blood-red, rose and white, mostly with large velvety crimson centers..... 10
1323 **The Bride.** White with purple center..... 05
1324 **Vesuvius.** Bright geranium red..... 05
1325 **Vaughan's Special Mixture of Single Pinks.** This is a selection from the choicest sorts in cultivation. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep glowing crimson. ¼ oz. 15c 10
(See also page 92).



ESCHOLTZIA (California Poppy)

Dianthus, Double Flowering—Cont.

1326 **Chinensis Double Mixed.** Blooms in clusters, flowers very double and in a large range of colors..¼ oz. 10c — Pkt. 05

1327 **Count Kerchove.** Dark red double flowers, each petal having a velvety black blotch 10

1328 **Diadematus Double Mixed.** Beautiful flowers in various shades with the outer edges fringed and almost white..... 05

1329 **Imperialis Double Mixed.** Strong bushy grower... 05

1330 **Laciniatus Double Mixed.** Flowers deeply laciniated 05

1331 **Mirabilis Flore Pleno. (Double Wonder Pink).** Flowers are like fringed balls in many attractive colors. 10

1332 **Mourning Cloak.** Flowers very dark velvety crimson, each petal being strikingly edged white..... 05

1333 **Fireball.** Brilliant scarlet, compact, floriferous..... 10

1334 **Snowball.** Compact, fringed white flowers..... 10

1345 **Vaughan's Special Mixture of Double Pinks.** Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades, plain edged and fringed...¼ oz. 15c — 10

1350 **Vaughan's Special Mixture of Double and Single Pinks.** This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. We cannot recommend this mixture too highly.....¼ oz. 15c — 10

1380 **DIDISCUS Coeruleus** ⊙ 3 ft. An unknown plant which ought to be grown more frequently. Long stemmed lavender flowers; look like blossoms of Wild Carrot or Queen's Lace Handkerchief. A constant bloomer. Should be planted in partial shade..... 10

1383 **DIMORPHOTHECA Aurantiaca. (Golden Star of the Veldt.)** ⊙ 1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring, a lovely color when flowers open in the sun..... 10

1384 **Aurantiaca Hybrida.** They vary in color from the purest white to red and blush, white tints, sulphur, lemon, and bright golden yellow, light orange, reddish-yellow changing to pale salmon rose..... 15

Dolichos (Hyacinth Bean) ⊙ § 10 ft.

A rapid growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented.

1385 **Princess Helen (Daylight).** Snow white flowers followed by silvery white seed pods.....1 oz. 15c — 05

1390 **Purple Soudan (Darkness).** Covered from summer to autumn with attractive rose-violet flowers and dark ruby-purple seed pods.....1 oz. 15c — 05

1395 **All Colors Mixed**.....¼ lb. 40c; 2 oz. 25c; 1 oz. 15c — 05

1398 **DRACAENA Indivisa** ⌓ 2 ft. Ornamental leaved plants; long narrow, green leaved foliage..... 10

1399 **DRACOCEPHALUM Moldavicum** ⊙. A showy annual producing long spikes of bright blue flowers..... 05

1402 **ECHEVERIA Mixed (Hen and Chickens)** ⌓ 4 in. Used largely in cemeteries for carpet bedding. Seeds very tiny.....100 seeds 25c; 25 seeds — Pkt. 10

Erysimum ⊙

Handsome showy border and rock plants, much resembling Wallflowers; of great value for spring bedding.

1403 **Arkansanum.** Fine showy bright yellow flowers..... 10

1404 **Perofskianum.** Flowers fragrant, brilliant orange and very showy in beds, borders, and on rock-work. Sow out of doors March and April for summer display, and in early autumn for spring decoration..... 10

1414 **ERYTHRINA Crista Galli (The Coral Tree.)** ⌓ 4 ft. A grand plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers..... 10

Escholtzia (California Poppy) ⊙ 1 ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

1416 **Californica.** Large pale yellow, ¼ lb. 35c; 1 oz. 15c — 05

1418 **Carmine King.** Beautiful carmine rose color, both on the interior and exterior of the flower.....½ oz. 30c — 10

1420 **Dainty Queen.** The color is a pale coral pink, slightly deeper towards the edges, with a ground work of delicate cream..... 10

1422 **Golden West.** Flowers bright yellow and orange, penciled and blotched.....½ oz. 25c — 05

1424 **Mandarin.** Inner side of the petals rich orange, the outer side brilliant scarlet.....½ oz. 15c — 05

1425 **All Colors Mixed.** Many shades..¼ lb. 35c; 1 oz. 15c — 05

1426 **Double and Semi-Double Mixed**..... 10

1428 **Maritima.** Canary yellow with orange center, leaves grayish and finely cut..... 05

1430 **Vaughan's Special Mixture.** This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence...1 oz. 40c;..... 10

1432 **EUCALYPTUS Globulus (Blue Gum)** ⌓. Admirable for sub-tropical bedding or greenhouse decoration 10

Euphorbia ⊙ 2 ft.

Strong growing annuals, suitable for beds of tall growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

1436 **Heterophylla (Mexican Fire Plant.)** Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. The plants are of branching bush-like form, with smooth, glossy green leaves. About midsummer the center top leaves of each branch turn a vivid orange scarlet.....¼ oz. 15c — 10

1438 **Variegata (Snow on the Mountain or Mountain Spurge.)** 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green..... 10

1440 **EVERLASTINGS Mixed** ⊙ 1 to 2 ft.....¼ oz. 15c — 10

FOUR O'CLOCK.—See Mirabilis.

For named sorts of Everlastings see Acroclinium, Ammobium, Gomphrena, Helichrysum, Rhodanthe and Xeranthemum.

GAILLARDIA—Lorenziana

GOURDS—Mixed

GODETIA

1446 **FUCHSIA Hybrida (Ladies' Eardrop), Double and Single Mixed** ⌒ 1 to 4 ft. Well known greenhouse plant, blooms from seed first year if planted early .. Pkt. 20

Gaillardia (Blanket Flower) ⊙ 1½ ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

1447 **Amblyodon.** A strong-growing, half-hardy annual. Flowers deep red..... 05
1448 **Picta Single Mixed**.....¼ oz. 15c 05
1450 **Lorenziana Double Perfection Mixed.** Large handsome heads of double quilled flowers in rich shades of red and yellow.....¼ oz. 20c 05
1462 **GAURA Lindheimeri** ⊙ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. This is largely used throughout Europe for interspersing in beds of Begonias, Geraniums, etc., giving an air of grace to what would otherwise be stiff. 05

Geranium ⌒ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new and desirable.

1465 **Zonale Varieties.** Saved from the choicest collections. 10
1466 **Large Flowering, Newest Varieties Mixed.** Choicest strains.....50 seeds 15
1467 **Apple-scented.** Leaves fragrant.....25 seeds 10
1468 **Lady Washington** (Odier). Large flowering, beautifully blotched.....25 seeds 20
1471 **GILIA Mixed** ⊙ 1 ft. Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer.....1 oz. 20c 05
1472 **GLAUCIUM Luteum (Horn Poppy)** ⊙ 3 ft. The ornamental glaucous grey foliage of the Horned Poppy is set off by very showy yellow flowers. A fine plant for wild gardens, etc., delighting in poor sandy soil.... 05
1475 **GLOXINIA. Vaughan's International Mixture** ⌂ 12in. Magnificent house blooming plants, with handsome bell-shaped flowers in the diversity of the richest colors. Our International Mixture contains the finest European strains..... 25
1476 **Fine Mixture**..... 10

Godetia ⊙ 1½ ft.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

1477 **Duchess of Albany.** Pure white..... 05
1478 **Gloriosa.** Deep blood red..... 05
1479 **Rosamunde.** Fiery rose..... 05
1480 **Lady Satin Rose.** Bright carmine..... 05
1481 **The Bride.** White and red..... 05
1482 **Many Sorts and Colors Mixed**.....¼ oz. 10c 05
1483 **Dwarf Sorts Mixed.** Neat globular bushes about 10 inches in height.....¼ oz. 15c 05
1485 **GOMPHRENA Globosa Mixed (Globe Amaranth).** Clover-like heads everlasting.....¼ oz. 10c 05

Gourds ⊙ § 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

1486 **Apple-shaped.** Beautifully striped..... 05
1487 **Bottle.** The original Thermos bottle. Used by the pilgrims in the orient..... 05
1488 **Calabash or Pipe Gourd.** Odd-shaped fruit which is used to an advantage in making pipes..... 15
1489 **Dipper.** Makes an excellent dipper..... 05
1490 **Dishcloth or Towel.** Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left..... 05
1492 **Hercules Club.** Fruit grows 3 to 4 ft. long..... 05
1493 **Horned African Cucumber.** Fruits very odd..... 05
1495 **Japanese Nest Egg.** Fruit looks exactly like a hen's egg and may be used as nest eggs..... 05
1496 **Orange.** The well known Mock Orange..... 05
1498 **Ornamental Pomegranate** or Queen's Sweet Pocket melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens..... 05
1500 **Pear Shaped.** Striped yellow and green..... 05
1502 **Sugar Trough.** Thick shells, very durable..... 05
1504 **Spoon.** Small ball shaped fruit with slender necks, deep orange, whitish and dark olive green. By slicing off a part of the side of the bowl a satisfactory spoon may be made..... 05
1505 **Turk's Turban.** Odd brightly colored fruit..... 05
1506 **Small Fruited Varieties Mixed**..1 oz. 25c; ½ oz. 15c 05
1510 **All Varieties Mixed**.....1 oz. 25c; ½ oz. 15c 05
1512 **Imported Collection.** 12 Varieties..... 30
1514 **Imported Collection.** 6 Varieties..... 20

Grasses, Ornamental, see Agrostis Nebulosa, Briza Maxima; Coix Lachrymae, Cyperus Alternifolius; Pennisetum Lingistylum; Pennisetum Ruppelianum; Zea Japonica.

1515 **GRASSES—Ornamental Mixed** ⊙ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil. 10
1516 **Imported Collection Ornamental Grasses.** 12 var. 35
1520 **GREVILLEA Robusta (Silk Oak)** ⌒ 1 to 5 ft. It is easy to manage, grows rapidly from seed, and is pretty in all stages of growth; with its long drooping silky foliage it reminds one of a palm or fern. Makes a fine plant for the center of fern dishes..... 10

HELICHRYSUM (Straw Flower)

HELIOTROPE—Mammoth Flowered

When ordering, don't overlook our great Canna Firebird.

HUMULUS (Japanese Hop)

Gypsophila ⊙ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.

1522 **Elegans Grandiflora Alba (Angel's Breath.)** This is an improved, large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply ..... ½ oz. 10c — Pkt. 05

1523 **Elegans Carminea** ..... ½ oz. 10c — 05

1524 **Elegans Rosea.** Soft pink ..... ½ oz. 10c — 05

1525 **Muralis.** 6 in. A lovely little rock or edging plant with rose-pink flowers 05

1530 **HELENIUM Tenuifolium** ⊙ 1½ ft. A showy annual variety of the popular Sneeze-wort; flowers bright yellow 05

Helianthus (Sunflower) ⊙

These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and subtropical gardening; the dwarfer kinds, with smaller flowers, are charming when grouped in mixed flower borders. Excellent for cutting.

1534 **Argyrophyllus.** 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. A specimen plant will attain the shape of a Christmas tree, the flowers having the effect of candles ..... ½ oz. 15c — 05

1535 **Californicus Fl. Pl.** 5 ft. Double dark yellow. 1 oz. 10c — 05

1536 **Double Chrysanthemum Flowered.** 6 ft. Golden yellow flowers ..... 1 oz. 15c — 05

1537 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or dahlia sunflower. Flowers a rich saffron color. 1 oz. 10c — 05

1538 **Double Primrose Queen.** These grow 5 to 6 ft. in a season, and large numbers of medium-sized pale sulphur yellow flowers are produced on short straight stems 10

1539 **Nanus Flore Pleno.** 2½ ft. Double dwarf, beautiful for massing in beds ..... 1 oz. 20c — 05

1540 **Russian Mammoth.** Single, of gigantic dimensions. For larger amounts see Farm seed pages ..... 1 oz. 05c

1541 **Cucumerifolius Mixed or Cut and Come Again.** Quite a distinct variety. Wonderfully useful for garden display, and especially for cutting. Flowers with lavish profusion 10

VAUGHAN'S SPECIAL

1545 **Vaughan's Special Mixture** of all the single and double sunflowers ..... 1 oz. 25c — 10

Helichrysum ⊙ 2 to 3 ft.

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place.

1546 **Silver Ball.** White.

1547 **Fire Ball.** Red.

1548 **Golden Ball.** Yellow.

1549 **Rose Queen.** Carmine rose.

1550 **Salmon Queen.** Salmon Pink.

1551 **Violet Queen.** Violet.

Each of the above, pkt., 10

1552 **All Colors Mixed** ..... ½ oz. 20c — 05

1553 **Imported Collection.** 6 colors 50

Heliotrope ⌓ 2 ft.

In bloom during the whole season. Its delightful perfume makes it a most desirable bouquet flower; a splendid bedding plant, or can be trained as a greenhouse climber. Seed started indoors in the spring will make fine plants for summer blooming. Can also be sown outdoors in May.

1555 **Mammoth Mixed.** Flowers of great size and ranging in shade from dark blue to lilac ..... — Pkt. 10

1556 **Madam Mathilde Crennieux.** Large clusters of reddish lilac flowers, dwarf bush 15

1560 **Fine Mixed** 05

1565 **HELIPTERUM Sandfordii** ⊙ 1½ ft. Bright yellow everlasting half-hardy annual; flowers in large heads 05

Annual Hollyhocks ⊙ 5 ft.

This strain blooms the first year from seed. The plants branch freely and continue to flower throughout the summer. The seeds may be sown in a hot-bed in February.

1570 **Allegheny.** Semi-double flowers with frilled edges. 10

1571 **Everblooming Single Mixed.** Large single flowers exhibiting every shade known in Hollyhocks. ½ oz. 25c — 05

1575 **Everblooming Double Mixed.** Double and semi-double 10

Humulus Japonicus (Japanese Hop) ⊙§ 20 ft.

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, draught and insects do not trouble it.

1580 **Green Leaved** ..... ¼ oz. 10c — 05

1582 **Variegated Leaved.** Foliage white and green, beautiful and very effective ..... ¼ oz. 10c — 05

1590 **HUNNEMANNIA Fumariaefolia (Bush Escholtzia)** ⊙ 1½ ft. The plants grow into a shrubby bush and produce their large cupshaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks .... ¼ oz. 20c — 05

HYACINTH BEAN. See Dolichos.

1595 **ICE PLANT (Mesembryanthemum Crystallinum.)** ⊙ 6 in. Foliage very ornamental, being covered with ice-like globules, and prized for garnishing; a valuable plant for dry sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders 05

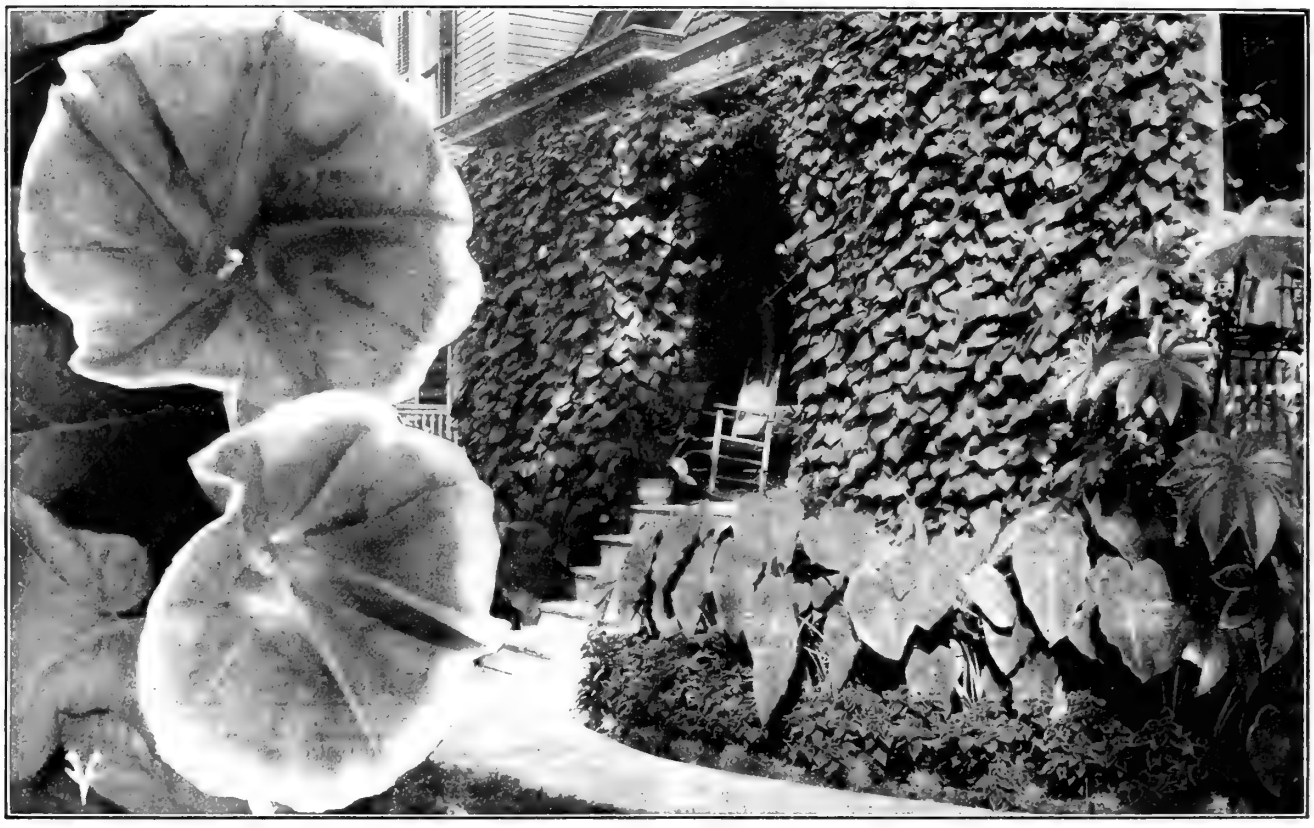
Impatiens (Zanzibar Balsam) ⌓ ⊙ 1½ ft.

One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.

1600 **Holstii.** Of rapid and vigorous growth, and producing large flowers of a brilliant salmon-scarlet 15

1602 **Holstii Hybrids.** They range in color from pink through the red shades to purplish violet 15

1605 **Sultani.** Rosy flowers, glossy green foliage 10



Showing MORNING GLORIES, RICINUS and CALADIUMS

1610 **IONOPSIDIUM Acaule** ⊙ 3 in. A lovely miniature rapid-growing and early-flowering plant, forming dense tufts of foliage smothered in tiny pale lilac flowers; it thrives best in damp or shady situations, such as the foot of rockwork..... Pkt. 05

Ipomoea (Moonvine) ⊙ § 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

1615 **Bona Nox (Evening Glory.)** Violet flowers, large and fragrant.....1 oz. 25c 05

1617 **Coccinea (Star Ipomoea.)** Small scarlet flowers in great profusion.....1 oz. 20c 05

1619 **Mexicana Grandiflora Alba (White Moon Flower)** Covered with large white flowers every evening and cloudy day. Seeds should be started inside..½ oz. 25c 10

1620 **Mexicana Grandiflora, Giant Pink.** Soft lilac pink flowers.....½ oz. 30c 10

1622 **Imperialis (Japanese Morning Glory) Fine Mixed** ....1 lb. $1.00; ¼ lb. 35c; 2 oz. 25c; 1 oz. 15c; ½ oz. 10c 05

1625 **Vaughan's Special Mixture of Japanese Morning Glories.** The variety of color is infinite, running from snow white through all possible shades of blue and red from palest pink to darkest reds and purples. Flowers are streaked, marbled, mottled, striped and bordered in wonderful fashion. The leaves are also very handsome; some are ivy-like, others are heart-shaped, some are rich green, while others are streaked and marbled with white and silver or yellow; others with choicest flowers, have rich golden leaves..... (VAUGHAN'S SPECIAL)
.....1 lb. $3.00; ¼ lb. $1.00; 1 oz. 30c; ½ oz. 20c 10

1627 **Learii.** Satiny blue with crimson bars. A good greenhouse climber.....¼ oz. 25c 10

1630 **Rochester.** Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. Foliage extremely vigorous.....½ oz. 30c 10

1632 **Rubro-Coerulea (Heavenly Blue.)** Sky blue flowers in great abundance.....½ oz. 35c 10

1635 **Setosa (Brazilian Morning Glory.)** Rosy pink flowers. It presents a remarkable appearance, branching in all directions and intertwining so as to make it impenetrable to the sun's rays.....1 oz. 25c Pkt. 05

For other Morning Glories, see Convolvulus.

JOB'S TEARS. See Coix Lachrymae.

KUDZU VINE. See Pueraria.

1640 **KOCHIA Tricophylla (Summer Cypress, Burning Bush.)** ⊙ 2½ ft. Forms a symmetrical bush resembling a closely-sheared evergreen, foliage light green turning to blood-red in autumn, and remaining decorative until cut down by frost, a valuable border plant..... 05

1645 **LANTANA Hybrida Mixed** ⌓ 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer. 05

Lavatera ⊙ 2½ ft.

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable.

1653 **Arborea Variegata.** A handsome foliage plant, with leaves beautifully splashed white; it makes a noble specimen plant for lawns or subtropical gardens..... 10

1654 **Splendens Alba.** Very large silky pure white flowers. 10

1655 **Splendens Rosea.** Very large bright rose flowers. 10

1656 **Trimestris.** Light rose, with silvery streaking..... 10

1657 **LAYIA Elegans** ⊙ 1 ft. Very beautiful flowers, yellow bordered white, with golden center, profusely produced, for beds and borders, remaining long in beauty. Sow in spring to flower in early summer, and in autumn to bloom in spring..... 10

1658 **LIBONIA Floribunda** ⌓ 1½ ft. A handsome plant for house or conservatory decoration during winter; flowers scarlet and yellow, tube-shaped..... 25

1659 **LEPTOSYNE Stillmani** ⊙ 1½ ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden-yellow flowers continue in perfection for a long period. Excellent for cutting..... 10

1665 **LINUM Grandiflorum Rubrum (Crimson Flax)** ⊙ 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose, very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings.....1 oz. 15c 05

MARIGOLD—Double Tall African Mixed

Lobelia Erinus Compacta ⊙

This charming class form compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture. They flower the first season from seed.

		Pkt.
1675	**Bedding Queen.** Dwarfest, best for ribbon bedding. Flowers deep purplish violet with clear white eye	10
1676	**Crystal Palace Compacta.** Deepest blue, dark foliage	10
1677	**Emperor William.** Clear sky blue with green foliage.	10
1678	**Heterophylla Major.** One of the best, coming into flower early, and continuing until frost. The plant forms dense globular bushes about 6 inches high, completely smothered with large flowers, of a most brilliant sky-blue with a clear white eye	10
1679	**Prince Henry.** Very large flowers of clear ultramarine blue, of dwarf habit	10
1680	**Pumila Rosea.** Dwarf pink	05

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

1681	**Gracilis.** Light blue flowers, light green foliage	05
1682	**Hamburgia.** Large flowering dark blue	10
1683	**Speciosa.** True, dark blue, dark foliage	05
1684	**Sapphire.** Wonderful large, deep blue flowers. This is set off by the pure white eye which occupies nearly one-third of the corolla	15
1685	**Mixed Colors** ⅛ oz. 15c	05
1690	**LOPHOSPERMUM Scandens** ⊙ § 10 ft. Showy, rosy, purple Foxglove-like flowers	10

LOVE-IN-THE-MIST. See Nigella.

Lupinus ⊙ 2 ft.

Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade.

1700	**Hartwegii, White.** Pure white flowers	10
1701	**Hartwegii, Blue.** The flowers are of a delicate mist-like blue	10
1702	**Hybridus Atrococcineus.** Large spikes of scarlet white-tipped flowers	10
1703	**Hybridus Roseus.** A charming rose pink flower	05
1704	**Hybridus Coeruleus.** Blue	05
1705	**Tall Annual Varieties Mixed.** For wild gardens 1 oz. 15c	05
1706	**Dwarf Annual Varieties Mixed.** 1 ft. 1 oz. 15c	05

Marigold (Tagetes) ⊙

In autumn, when many bedding and other plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class. They are most effective in ribbon borders and as edgings to beds of tall flowers, such as Salpiglossis and Zinnias.

Tall African Double Varieties 5 ft.

1722	**Eldorado.** Extremely large and imbricated double flowers in yellow shades ¼ oz. 10c	05
1724	**Lemon Queen**	05
1725	**Orange Queen**	05
1726	**Tall African Mixed.** Large double flowers ½ oz. 15c	05
1728	**Tall French Mixed.** Large bushes covered with a multitude of small double flowers ½ oz. 15c	05
1729	**Imported Collection Tall African, 6 Colors**	20
1730	**Vaughan's Special Mixture of Tall Marigolds.** Includes the best colors and is made up from separate sorts. Give this a place in your garden if you wish flowers when all others have failed ¼ oz. 20c	10

Dwarf French Double Sorts 10 in.

1732	**Aurora.** Clear soft yellowish-pink, very distinct	05
1734	**Electric Light.** Sulphur-yellow, brown-red stripes and spots ½ oz. 15c	05
1735	**Gold Striped.** Velvety maroon, striped gold	05
1736	**Dwarf French Double Mixed.** Low bushes covered with small flowers 1 oz. 25c; ½ oz. 15c	05
1742	**Dwarf African Mixed** (Pride of the Garden). 15 in. Immense golden yellow flowers, compact dwarf habit, forming dense bushes ½ oz. 15c	05
1744	**Imported Collection Dwarf French.** 6 varieties	20
1745	**Vaughan's Special Mixture of Dwarf Marigolds.** These dwarf compact strains are very attractive, each plant being covered with hundreds of small bright flowers. This mixture is made up of separate colors especially purchased for this mixture ¼ oz. 20c	10

Single Dwarf Varieties

1746	**Legion of Honor.** Flowers rich golden yellow, marked with velvety brown, best for edging ½ oz. 15c	05
1747	**Silver King.** Light sulphur-yellow with brown spots.	05

POT MARIGOLD. See Calendula.

MARVEL OF PERU. See Mirabilis.

1750	**MATTHIOLA Bicornis (Evening-scented Stock.)** ⊙ 15 in. The flowers in the morning, evening, and after a shower emit a delicious perfume perceptible at a considerable distance 1 oz. 25c	05
1752	**MAURANDIA Mixed** ⊙ § 10 ft. Slender grower and abundant bloomer very desirable for greenhouse and garden. Elegant Gloxinia-like flowers which range through white, rose, blue and purple in color	10
1754	**MELOTHRIA Punctata** ⊙ § 10 ft. Blooms in clusters, flowers small, white and star shape, with a strong musk fragrance, leaves green, small and glossy. May be cut down to 6 inches after summer's growth and potted and taken inside. Gooseberry shaped fruit	05

Mignonette (Reseda) ⊙ 6 to 12 in.

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

1755	**Bismarck.** The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious ⅛ oz. 15c	10

MIGNONETTE—Continued

1756 **Gabriele.** Very sweet; spikes very thick; one of the best for out of doors..... ¼ oz. 15c — Pkt. 05

1758 **Goliath.** Fine pyramidal bushes, foliage rich green, contrasting strikingly with the bright red flowers. Flower stalks tall and strong, spikes often 7 in. long by 2 in. in diameter..... ⅛ oz. 15c — 10

1760 **Grandiflora Large-Flowered**.... ¼ lb. 25c; 1 oz. 10c — 05

1762 **Machet.** It is the best Mignonette for all purposes either outside or inside. It is an ever bloomer, the flowers lasting until late in the fall. Our seed is grown with the most scrupulous care and it gives entire satisfaction..... ¼ oz. 25c — 10

1764 **New York Market.** This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower, 250 seeds — 25

1766 **Pyramidal Large-Flowering.** Tall-growing variety splendid for cutting..... ⅛ oz. 15c — 05

1770 **Mixed.** Many shades and types..1 oz. 15c; ½ oz. 10c — 05

1772 **MIMOSA Pudica (Sensitive Plant)** ⊙ 1 ft. Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken..... ¼ oz. 15c — 05

1773 **MIMULUS Moschatus (Musk Plant)** ⊙ Musk scented leaves, tiny yellow flowers..... — 05

1774 **Tigrinus (Monkey Flower).** ⊙ 10 in. **Queen's Prize Single Mixed** Dwarf bushy plants, with large gloxiniaeflora-like flowers ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped..⅛ oz. 25c — 05

1775 **Tigrinus Fl. Pl. (Double Monkey Flower)** mixed.. — 10

1778 **MINA Lobata** ⊙ § 12 ft. A climber of luxurious growth with tube-shaped flowers, produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange yellow to creamy white when fully expanded. — 10

1779 **Sanguinea.** 20 ft. The leaves resemble oak leaves, and the flowers are borne in large clusters, blood-red with a yellow throat..... ½ oz. 15c — 10

Mirabilis ⊙ 2 ft.

(Marvel of Peru or Four O'Clocks)

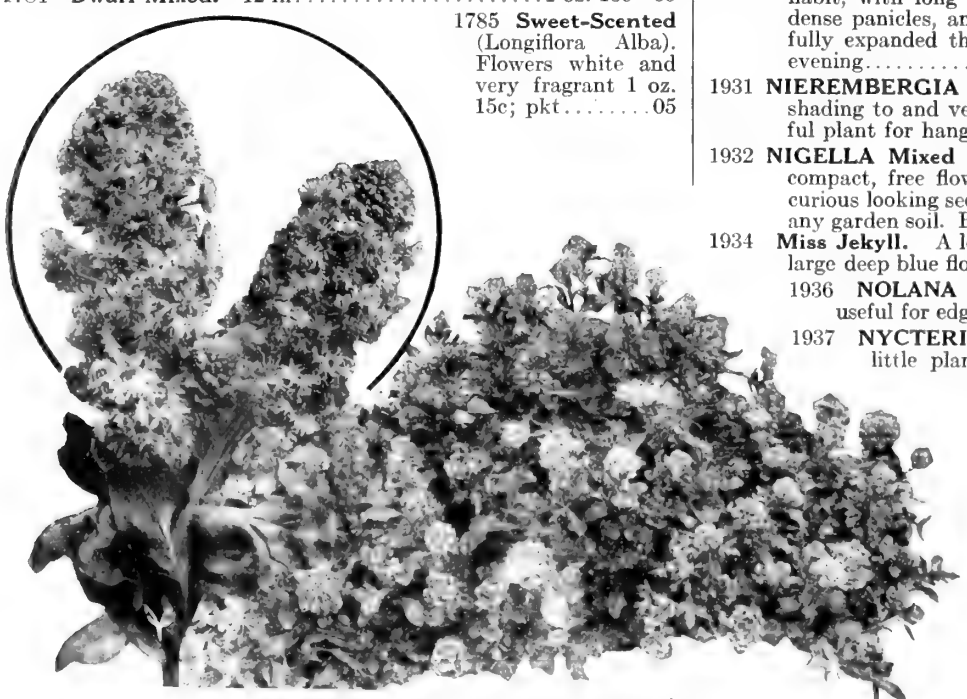
This is another good old-fashioned flower of bushy habit bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect.

1780 **Mixed All Sorts and Colors**..... ¼ lb. 20c; 1 oz. 10c — 05

1782 **Variegated Leaved Mixed**..... 1 oz. 15c — 05

1784 **Dwarf Mixed.** 12 in..... 1 oz. 15c — 05

1785 **Sweet-Scented** (Longiflora Alba). Flowers white and very fragrant 1 oz. 15c; pkt..... — 05



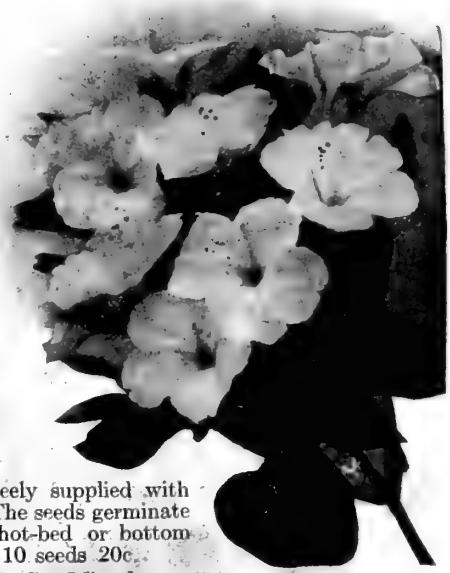
VAUGHAN'S SELECT MACHET MIGNONETTE

Monkey Flower. See Mimulus.

Morning Glory. See Convolvulus and Ipomoea.

Mourning Bride See Scabiosa.

1786 **MUSA Ensete (Abyssinian Banana).** ⌓ 6 ft. A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. In our hot summer it luxuriates and attains gigantic proportions when freely supplied with manure and water. The seeds germinate easily if started in hot-bed or bottom heat in greenhouse. 10 seeds 20c.



MARVEL OF PERU

MUSK PLANT. See Mimulus.

NASTURTIUM. See page 76.

1915 **NEMOPHILA Mixed (Grove Flower)** ⊙ 6 in. Cup shaped flowers of many bright colors, the blue shades being particularly charming for edging..... ½ oz. 15c — Pkt. 05

Nicotiana (Sweet Scented Tobacco Plant.) ⊙ 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom but with a longer tube. The flowers open toward evening and emit a powerful perfume.

1920 **Affinis.** Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall and cut back and potted, they will bloom all winter. — 05

1925 **Affinis Hybrida.** Splendid hybrids in blue, red and rose, etc., shades..... ⅛ oz. 15c — 05

1926 **Sanderae.** A lovely hybrid Tobacco of elegant branching habit, and bearing on light graceful stems great quantities of very beautiful rosy carmine flowers; a valuable border plant, remaining decorative from summer to autumn..... — 05

1928 **Sanderae Hybrids.** All shades..... — 05

1930 **Sylvestris.** 4 ft. A noble-looking plant of pyramidal habit, with long tubular pure-white flowers borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening..... — 05

1931 **NIEREMBERGIA Gracilis** ⊙ 6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc..... — 05

1932 **NIGELLA Mixed (Love-in-the-Mist)** ⊙ 1½ ft. A compact, free flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed.....1 oz. 15c — 05

1934 **Miss Jekyll.** A lovely variety, bearing on long stems large deep blue flowers..... ½ oz. 25c — 10

1936 **NOLANA Mixed** ⊙ Pretty trailing plant, useful for edging or rockwork..... ¼ oz. 10c — 05

1937 **NYCTERINIA Capensis** ⊙ 9 in. Charming little plants for pots, edgings, and rock work. White with maroon, delightfully fragrant, flowers opening at night..... — 05

1950 **OENOTHERA (Evening Primrose.) Mixed** ⊙ ½ to 2 ft. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume..... — 05

1955 **OXALIS Rosea Mixed** ⊙ An excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose, delicate pink and white... — 10

VAUGHAN'S PANSY

Types of Our Pansy Bloosoms

In spring the Pansy blooms continuously, producing a matchless effect in designs, beds and ribbons. Seed sown in winter and spring produces flowering plants for spring and summer. In order to obtain fine blooms the Pansy should be given a fairly rich and not too dry a soil. During dry weather the plants must be kept well watered and if large flowers are desired only a proportion of the shoots should be allowed to bloom, the rest being pinched back.

A leaflet "How to Grow Pansies" is included in all orders for Pansy seed if asked for when ordering

		Pkt.
2500	**Adonis.** Light blue with white center.....⅛ oz. 25c	10
2501	**Andromeda.** Delicate apple-blossom.....⅛ oz. 40c	10
2502	**Aureola.** Carmine, white stripe.....⅛ oz. 50c	10
2503	**Auricula Colors.** Metallic shades.....⅛ oz. 25c	10
2504	**Beaconsfield.** Upper petals light lavender, lower ones a deep rich purple.....⅛ oz. 25c	10
2505	**Boulogne Giant Mixture.** The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, rich colors 150 seeds...	25
2506	**Bridesmaid.** Rosy white, dark blotches....⅛ oz. 40c	10
2507	**Bugnot.** Shades of red, bronze and reddish cardinal, brightest red and reddish brown.....⅛ oz. 50c	10
2508	**Cassiers 3 and 5 Blotched Mixed.** Mostly light shades with dark blotches.....⅛ oz. 40c	10
2509	**Coal Black.** A jet black of truly giant size..⅛ oz. 25c	10
2510	**Comet.** Porcelain white with fine blue stripes on lower petals.....⅛ oz. 40c	10
2511	**Emperor Francis Joseph.** Pure white, large blotch of brilliant violet blue on each petal.....	10
2512	**Emperor William.** Dark navy blue.....⅛ oz. 25c	10
2513	**Eros.** Deep velvety brown, edged golden....⅛ oz. 40c	10
2514	**Fiery Faces.** Very rich scarlet, with a gold edge and yellow center.....⅛ oz. 35c	10
2515	**Freya.** Deep purple violet, with white margin⅛ oz. 25c	10
2516	**Goliath Golden Queen.** Golden yellow with three large blotches.....	10
2517	**Mad. Perret.** Lovely shades of pink and rose.⅛ oz. 25c	10
2518	**Marechal Niel.** Very large, without any blotches or veins, and are of the same delicate pleasing, cream color as the rose whose name it bears.....⅛ oz. 40c	10
2519	**Mauve Queen.** A most pleasing mauve.....⅛ oz. 25c	10
2520	**Masterpiece (New Giant Curled or Spencer Pansies)** This strain comes nearer to Double Pansies than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double.....⅛ oz. 50c	10
2521	**Orchid-Flowered.** The ground color of nearly all the flowers is light, the petals being marked with large brown or golden yellow blotches which diffuse into rays and veins towards the edge. The upper petals are upright and plaited, resembling orchids.....⅛ oz. 40c	10
2522	**Parisian Striped.** Stripes are broad and loud.⅛ oz. 25c	10
2523	**Paris Market.** An improved strain of Trimardeau, with better flowers and more compact habit..⅛ oz .20c	5
2524	**Pink.** Fine shades of pink, same as Hydrangea.⅛ oz. 40c	10
2525	**President Carnot.** Fine blotched white....⅛ oz. 40c	10
2526	**President McKinley.** Fine blotched yellow.⅛ oz. 50c	10
2527	**Purple.** Very large, rich deep purple.....⅛ oz. 25c	10
2528	**Pretiosa.** Each petal has a large blotch of deep violet on crimson background, with white edge...⅛ oz. 40c	10
2529	**Psyche.** The five velvety violet blotches are surrounded by broad white edge.....⅛ oz. 45c	10
2530	**Raphael.** Blue veins and dark violet spots on white ground.....⅛ oz. 45c	10
2531	**Rosy Morn.** A bright purplish crimson margined with a clear white edge.....⅛ oz. 45c	10
2532	**Siegfried.** They are mostly 5 spotted with a clear white margin. The colors are of rich brown shades such as are found in the English Wallflower.....⅛ oz. 35c	10
2533	**Striped.** Mahogany, striped and flaked white⅛ oz. 25c	10
2534	**Trimardeau.** Mixed.....⅛ oz. 25c	10
2535	**Violet Blue.** A very pleasing shade.....⅛ oz. 25c	10
2536	**Volcano.** The best red Pansy, each petal being marked with a very large dark blotch.....⅛ oz. 40c	10
2537	**Pure White.** Pure white without blotches..⅛ oz. 30c	10
2538	**White.** Very large, with violet eye.....⅛ oz. 25c	10
2539	**Pure Yellow.** Golden yellow without blotches.⅛oz. 30c	10
2540	**Yellow.** Immense flowers with dark eye.....⅛ oz. 25c	10
2541	**Chicago Parks Bedding Mixed.** Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts..... ¼ oz.35c; ⅛ oz. 20c	5

New Princess Pansies

2542 Of the Cassier and Masterpiece type, habit remarkably erect, which is its distinguishing characteristic. Extensive range of colors with yellow predominating.. 25

2550 **Vaughan's Collection of Giant Pansies.** One packet, containing 50 seeds each, of Emperor William, Coal Black, Fiery Faces, Lord Beaconsfield, Pure White, Pure Yellow, Madam Perret.....7 packets for.. 25

2555 **Vaughan's Giant Mixture.** Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be had only in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. ⅛ oz., $1.00; 1 pkt. 250 seeds, 20c; 3 20c pkts. 50c....125 seeds..10c

VAUGHAN'S SPECIAL

2560 **Vaughan's International Mixture.** This is, and always has been, literally a World's Best Mixture. While searching for the best in every land, we are not satisfied to accept any mixture simply because of its varied colorings, but flowers must come near a high standard of form which we have set, must be composed of well rounded, perfect shaped flowers, must show a wide range of coloring and markings, must have thick velvety petals with fluted or semi-double edges and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented there are also all the possible variations of each one of these. This is one of the specialties that has established the reputation of Vaughan's Seeds, and our customers can readily see why it is our most earnest endeavor to make International Pansy better than ever. 3 pkts. (750 seeds), 65c; 5 pkts. (1250 seeds), $1.00; ⅛ oz., $1.75; 250 seeds. 25

VAUGHAN'S

Few plants are so useful or rich in color as the Nasturtiums. and profusion of bloom; they should be given a dry poor soil, as such is the case lime rubbish should be mixed with the soil. The

Dwarf ⊙ 1 ft.

They are suitable for bedding and edging, grow quickly and furnish the greatest abundance of long lasting, sweet-scented cut flowers.

Sometimes it is desirable, when carrying out a color scheme to use but one variety of Dwarf Nasturtium for an edging. Empress of India is particularly good when used in this way as the dark leaved plants are of an even height and the flowers are a rich velvety red.

Green and Dark Leaved Varieties

2306 **Beauty.** Scarlet splashed canary.

2308 **Bronze.** Burnt bronze color, dark leaved.

2310 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.

2311 **David Burpee.** The plants grow very compact and the fine velvety purple-scarlet flowers are borne on long stems well above the magnificent foliage of peculiar wavy emerald green. Pkt. 10c; oz. 25c.

2312 **Empress of India.** Very dark leaves, crimson flowers.

2314 **Golden King.** Pure golden yellow.

2315 **King of Tom Thumbs.** Intense deep scarlet flowers, dark foliage.

2316 **King Theodore.** Velvety red flowers, dark foliage.

2318 **Lady Bird.** Orange, striped bright scarlet.

2320 **Pearl.** Creamy white.

2322 **Regelianum.** Purplish violet.

2324 **Ruby King.** Ruby red, dark leaved.

2325 **Vesuvius.** Salmon rose.

Fancy and Variegated Leaved Varieties

2326 **Golden Cloth** The foliage is of bright yellow, while the flowers are intense scarlet.

2327 **Ivy Leaved Mixed.** Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat.

2328 **Queen of Tom Thumbs.** Produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage and is strikingly handsome and useful for bedding or pot culture.

Each of the above, except noted otherwise, pkt 5c; oz. 10c; ¼ lb. 25c

		Pkt.
2330	**DWARF MIXED**.....1 lb. 70c; ¼ lb. 20c; 1 oz. 10c	05
2336	**COLLECTION No. 1 OF DWARF NASTURTIUMS, 10 VARIETIES.** Our choice.....1 pkt. of each	35c
2337	**COLLECTION No. 2 OF DWARF NASTURTIUMS, 10 VARIETIES.** Our choice.....1 oz. of each	75c
2335	**VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS.** Dwarf Nasturtiums are most admirably adapted to beds and borders. Vaughan's Special Mixture of Dwarf Nasturtiums will give a larger variety of colors in even proportions than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the dwarf Chameleon which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown among flowers.....1 lb. $1.50; ¼ lb. 45c; 1 oz 15c	10

Annual Climbers

Climbing vines are always beautiful and wonderful in their possibilities, being, as it were; the frame of a beautiful garden picture. The Annual Climbers are luxuriant and constant bloomers and grow rapidly from seed, being often the earliest to bloom and longest remembered. We are offering a special collection of these, some of which are bound to suggest themselves to everyone who has a porch, a fence or arbor to cover with beautiful flowers for the summer.

Vaughan's Special Collection

One regular size packet of each of the following:

Balsam Apple and Pear mixed.
Balloon Vine.
Canary Bird Creeper.
Cypress Vine, mixed.
Dolichos, mixed.
Ornamental Gourds, mixed.
Morning Glory, Japanese.
Tall Nasturtium, Vaughan's Spl. M'xd.
Sweet Peas, Vaughan's Prize.
Wild Cucumber.

The 10 Packets for 30c, postpaid.

NASTURTIUMS

They surpass the Geranium and Calceolaria in brilliancy of color on a rich or manured ground they are inclined to run to leaf. Where sorts we enumerate are the most decorative and beautiful of all.

Tall ⊙ 8 to 10 ft.

The most useful of decorative climbing annuals, serviceable for covering unsightly fences or trailing over rocks.

Green and Dark Leaved Varieties

2338 **Chameleon.** On one and the same plant are found self colored flowers, others stained and blotched on a clear ground, while others are broadly edged or banded with light or dark shades.

2339 **Dunnet's Orange.** Bright orange flowers.

2340 **Fordhook Fancy.** Terra cotta on yellow ground, dark leaved.

2341 **Heinemanni.** Chocolate color, odd.

2342 **Jupiter.** Strong running growth and large, rich golden yellow flowers.

2343 **King Theodore.** Rich deep crimson flowers; dark leaves.

2344 **Pearl.** Creamy white.

2345 **Prince Henry.** Light yellow, marbled scarlet.

2346 **Regelianum.** The best rich crimson.

2347 **Twilight.** Bright yellow, marbled salmon rose.

Fancy and Variegated Leaved Varieties

2348 **Golden Cloth.** Scarlet flowers with yellow foliage. See Lobb's Nasturtiums.

Each of the above, except where noted, pkt. 5c; oz. 10c; ¼ lb. 25c

2350 **MADAM GUNTHER'S HYBRIDS.** For richness and variety of color these hybrids have no equal among Nasturtiums. It is impossible to describe all the different colors.....1 lb. $1.00; ¼ lb. 30c; 1 oz. 10c Pkt. 05

Lobb's Nasturtiums 6 ft.

This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil they climb higher and bloom brilliantly.

2355 **Black Prince.** Velvety black flowers, dark foliage.

2356 **Cardinal.** Scarlet flowers, dark foliage.

2357 **Emma Alida.** Dark ivy-leaved foliage, with golden yellow, orange and deep scarlet laciniated flowers.

2358 **Princess Juliana.** Dark ivy-leaved foliage, with deeply cut flowers of orange yellow, spotted red brown.

2359 **Queen Alexandra.** Variegated leaves, flowers blood red, marbled and mottled.

2360 **Queen Emma.** Variegated leaves, deep scarlet flowers.

2361 **Queen of the Morning.** Variegated leaves, flowers aurora colored.

2362 **Virchow (Rose Queen).** The best pink.

Each of the above, oz. 10c; pkt. 5c.

2365 **LOBB'S MIXED.** The strongest growing, attaining the greatest height.....1 lb. 75c; ¼ lb. 25c; 1 oz. 10c 05

2370 **TALL MIXED, all sorts.** 1 lb. 60c; ¼ lb. 20c; 1 oz. 10c 05

2372 **COLLECTION No. 3 TALL NASTURTIUMS, 10 VARIETIES.** Our choice.....1 pkt. of each 35c

2373 **COLLECTION No. 4 TALL NASTURTIUMS, 10 VARIETIES.** Our choice.....1 oz. of each 75c

2375 **VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS.** We call especial attention to this mixture. In it will be found all the choicest colors of all the tall Nasturtiums, the rich, velvety Lobb's varieties, the Canary bird creeper, the hybrids of Madam Gunther, Coquette and the new variegated leaved varieties.....1 lb. $1.50; ¼ lb. 45c; 1 oz. 15c 10

VAUGHAN'S SPECIAL

The Nasturtium seed pods when green may be used in making pickles.

Nasturtiums, New Varieties

In our Trial Grounds at Western Springs, Ill., last summer, we tried out a number of the newer introductions of a Nasturtium Specialist. Some did not come up to our expectations, as the flowers failed to show themselves above the foliage, and in others the colors were not attractive.

The following varieties in the Dwarf and Lobb's section met with our approval and we take pleasure in offering them to our friends this year knowing they will be appreciated by all who are interested in novelties of merit. The flowers in nearly all are deeply laciniated or fringed.

DWARF LACINIATUM 'OTHELLO.' Dark leaved and dark purple laciniated flowers..... Pkt. 15

DWARF LACINIATUM MIXED. The leaves are deeply laciniated and the flowers appear in many attractive colors..... 15

LOBB'S LACINIATUM "FLAMINGO." A beautiful new variety with magnificent laciniated orange flowers.... 15

LACINIATUM NEW HYBRIDS. The flowers are deeply laciniated or fringed with flowers of many bright colors, producing a most brilliant effect..... 15

LOBB'S IVY LEAVED BLUSHING BEAUTY. A very showy novelty of the Ivy leaved class. Flowers soft yellow, spotted with terra cotta..... 15

LOBB'S IVY LEAVED MOURNING BRIDE. The leaves are dark and Ivy shapep. The flowers are a velvety dark crimson..... 15

SPECIAL OFFER: One packet each six varieties noted above for 50c, postpaid.

PETUNIA—Best Large Flowering Single Mixed

2592 **PASSIFLORA Coerulea Grandiflora (Passion Flower)** Pkt.
⌓ § 15 ft. Southern Beauty. A beautiful vine for greenhouse and window, called Passion Flower, since tradition sees represented in its flowers the symbols of the Christian Faith. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit.... 10

2595 **PENNISETUM Longistylum** ⊙ 2½ ft. An Abyssinian grass with long feathery bearded bristles....½ oz. 20c 10

2596 **Rueppelianum.** The spikes are longer and more graceful. Used to border canna beds.....¼ oz. 20c 10

2597 **PERILLA Nankinensis** ⊙ 1½ ft. Valuable foliage plant resembling Coleus, dark mulberry-colored leaves. 05

Petunia ⊙

For freedom of bloom, variety of color and effectiveness these have no equals. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Double Large Flowering Varieties

2500 **Vaughan's Mixture of Double Petunias.** This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollenized and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers.....200 seeds 30

2601 **Imported Collection of Double Petunias.** 6 varieties 75

PETUNIAS

Large Single Flowering Varieties

Pkt.

2602 **Balcony Queen.** Rich, velvety violet with white blotches.....100 seeds 15

2603 **German Empress.** A beautiful new variety with very open flowers of great size, many having deeply flanged petals, color brilliant purple, center veined on a white ground, handsome.....100 seeds 15

2604 **Giants of California Mixed.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc.....200 seeds 15

2605 **Karlsruher Rathaus.** The flowers are very large, very deep violet blue and should be planted with a white background to be effective.....100 seeds 15

2606 **King Edward.** Deep blood-red, white center, 100 seeds 15

2607 **Miranda.** Flowers mostly a brilliant deep velvety rose, beautifully crimped and curled, the margins being frilled like lace, very bright and effective....100 seeds 15

2608 **Rheingold.** A large flowering pure white flower with a clear yellow throat.....100 seeds 15

2609 **White Giant.** Flowers large, pure white....100 seeds 15

2610 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors.....250 seeds 25

2611 **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable variety of color.....200 seeds 15

2612 **Imported Collection Large Flowering Single.** Six varieties..... 35

2615 **Vaughan's Best Mixture of Large Flowering Single Petunias.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as **Vaughan's Best**.....300 seeds 25

Single Small Flowering Varieties 1½ ft.

2616 **Alba.** Pure white.....¼ oz. 20c 05

2617 **Carmen Sylva.** Baby blue soft reddish purple..... 05

2618 **Countess of Ellesmere.** Rose with white throat..... 05

2619 **General Dodds.** Blood red.....¼ oz. 20c 05

2620 **Howard's Star.** Regular white star-like stripes on old rose background.....⅛ oz. 20c 10

2625 **Good Mixed**.....1 oz. 50c; ½ oz. 30c 05

2630 **Finest Mixed**.....¼ oz. 25c 10

Single Dwarf Varieties

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

2631 **Editha.** The flowers are rose with a dark carmine star, veined and netted with a brilliant carmine..... 15

2632 **Enchantress.** These have a white center which is most effective with the delicate, brilliant light and dark rose, incarnata, delicate lilac of the flowers..... 15

2633 **Gloria.** The flowers are brilliant carmine, a very conspicuous color, and appear in great abundance..... 10

2634 **Inimitable.** Regular white stars on deep old rose ground. Very effective in masses.....⅛ oz. 15c 05

2635 **Rosy Morn.** Brilliant rose with white star-shaped marking.....⅛ oz. 25c 10

2636 **Snowball.** Pure white.....⅛ oz. 25c 05

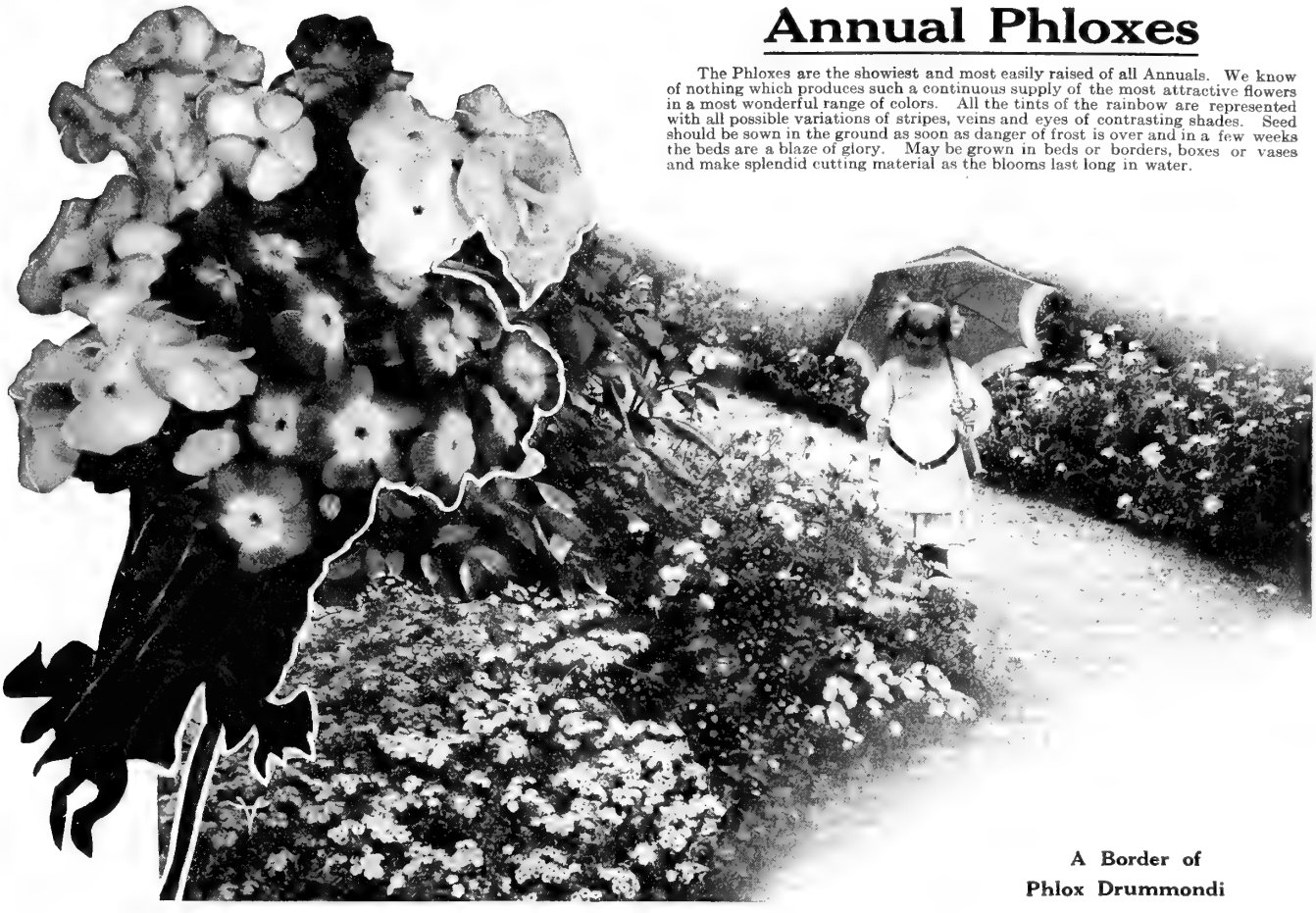
2637 **Dwarf Mixed.** The above and others.....⅛ oz. 20c 10

2655 **PHACELIA Tanacetifolia** ⊙ 1½ ft. Large compact heads of blue flowers. Valuable for bees..... 05

Whitlavia Gloxinioides. Blue flowers, deep lavender-blue with white throat resembling small Gloxinias..... 05

Annual Phloxes

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory. May be grown in beds or borders, boxes or vases and make splendid cutting material as the blooms last long in water.



A Border of Phlox Drummondi

Phlox Drummondi Grandiflora ⊙ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

2660 **Alba.** Pure White. 2662 **Alba Oculata.** With white eye.
2664 **Atropurpurea.** Black brown.
2665 **Coccinea.** Fiery scarlet.
2666 **Coccinea Striata.** Scarlet striped.
2668 **Coerulea Striata.** Blue striped.
2670 **Isabellina.** Yellow.
2672 **Kermesina Splendens.** Vivid crimson.
2674 **Orbicularis Atrorosea.** Dark rose with eye.
2675 **Orbicularis Violacea.** Dark blue with eye.
2676 **Rosea.** Pink. 2678 **Rosea Striata.** Pink striped.
2680 **Rosea Aurea Stellata.** Gold Star.

		Pkt.
2684	**Stellata Splendens.** Vivid crimson with white star. All the above.....⅛ oz. 15c; 100 seeds	05
2685	**Splendid Mixture**.....1 oz. 75c; ¼ oz. 25c; 250 seeds	10
2686	**Imported Collection.** 6 varieties.....	25
2688	**Imported Collection.** 12 varieties.....	50
2690	**Drummondi Mixed, Good Mixture**.....¼ oz. 15c	05
2695	**Cuspidata Mixed (Star of Quedlinburg.)** Mixture of star-shaped flowers.....⅛ oz. 15c	05

Drummondi Semi-Plena (Double Phlox) 1 ft.

Especially desirable for cut flowers, lasting better than the single sorts. To produce the best results they should be grown in a light soil.

2702 **Alba.** White..... 10 2704 **Isabellina.** Yellow 10
2705 **Coccinea.** Scarlet..... 10
2710 **Mixed.** The above and others.....⅛ oz. 20c 10
2727 **Vaughan's Special Mixture.** Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package.
1 oz. $1.25; ¼ oz. 40c; ⅛ oz. 25c; 250 seeds 15

Drummondi Nana Compacta 8 in.

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

		Pkt.
2728	**Chamoisrosa.** Salmon pink.....⅛ oz. 35c	10
2730	**Coerulea Stellata.** Blue star.....⅛ oz. 35c	10
2731	**Crown Prince.** The flowers are large of salmony scarlet color.....	10
2735	**Fireball.** Blood red.....⅛ oz. 35c	10
2736	**Isabellina.** Yellow.....⅛ oz. 35c	10
2739	**Rose Bush.** The blooms are very large bright rose with dark spots at base of petals and a clear white eye....	15
2740	**Snowball.** Pure white.....⅛ oz. 35c	10
2742	**Splendens.** Crimson with a white eye.....⅛ oz. 35c	10
2743	**Salmon Star.** The flowers, borne in immense trusses, are usually large and of a pleasing salmony rose with a clear white center.....⅛ oz. 35c	10
2744	**Surprise.** The flowers are a clear vermilion with a white center.....	10
2745	**Mixed, All Colors**.....½ oz. 75c; ⅛ oz. 25c	10
2750	**Cecily, All Colors Mixed.** Flowers are of immense size, the coloring very bright and nearly all the blossoms display a white eye. Excellent for borders. Plants grow bushy and compact..... ⅛ oz. 50c	15
2775	**POINCIANA Gilliesi (Bird of Paradise).** Pretty greenhouse shrub with panicles of golden yellow flowers with vivid red stamens.....	10

POLYANTHUS.—See Primula.

2776	**POLYGONUM Orientale Pumilum (Knot-Weed.)** A handsome plant bearing an abundance of crimson flowers in drooping racemes; recommended for borders and wild gardens. (See also page 103.).....	10
2777	**Orientale Pumilum Album.** A charming white variety of the above.....	10
2778	**Orientale Pumilum Fol. Variegatis.** An ornamental plant, with foliage blotched and marbled creamy white.	10

VAUGHAN'S POPPIES

ANNUAL POPPIES ⊙ 2 ft.

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly when sowing.

Single Annual Sorts

Pkt.

2780 **Admiral.** Glistening white, with a broad band of brilliant scarlet around the edges. ¼ oz. 25c 10

2781 **Black Prince.** Brilliant blackish brown color with a violet hue, contrasting wonderfully with the whitish stamens and the yellowish green seed pods. 10

2782 **Bride.** Very large pure white, perfectly formed flowers. 10

California Poppy. See Escholtzia.

2783 **Danebrog or Danish Flag.** Brilliant scarlet flowers, with a silvery white spot on each petal, forming a white cross. 05

2784 **English Scarlet Field.** Grows wild in Europe, in the rye fields, together with the blue Cornflower, ½ oz. 15c 05

2785 **Hansa.** The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimson. 05

2786 **King Edward.** Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. 15

2787 **Persian (Laevigatum or Firedragon).** Dark scarlet, black spots. ¼ oz. 10c 05

2788 **Tulip (Glaucum).** Large tulip-shaped flowers of dazzling scarlet. ½ oz. 15c 05

2790 **Umbrosum.** Rich vermilion flowers with a deep shining black spot on each petal. ½ oz. 15c 05

2792 **Shirley, Silk or Ghost.** The most graceful of all Poppies, the beautiful satiny flowers ranging in color from delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson, all with white centers. 05

2794 **Santa Rosa.** A selection of the above made by Mr. Luther Burbank, contains a greater variety of color combinations, and named after the originator's home. 10

2795 **Vaughan's Special Mixture of Single Poppies.** This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice. ¼ lb. 70c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c. 10

Double Annual Sorts

2800 **American Flag.** Flowers very large, snow white, scarlet bordered. ½ oz. 15c 05

2802 **Fairy Blush.** The flowers have the effect of large feathery balls, overcast with a rosy shade. ½ oz. 15c 05

2804 **Giant Double Pure White.** ½ oz. 20c 10

2805 **Giant Double Yellow.** ½ oz. 20c 10

Pkt.

2806 **Giant Double Pink.** ½ oz. 20c 10

2808 **Giant Double Cardinal Red** ½ oz. 20c 10

2812 **Mikado.** Flowers brilliant scarlet and white with elegantly curled petals, like Japanese Chrysanthemum. ½ oz. 15c 05

2814 **White Swan.** Fringed double white. ½ oz. 10c 05

2815 **Carnation-Flowered Mixture of Double Poppies.** Large sized flowers of all shades, many striped. 1 oz. 15c 05

POPPY—Shirley

Pkt.

2820 **Peony-Flowered Mixture.** Double ball-shaped flowers of gigantic size. 1 oz. 15c 05

2825 **Rhoeas Fl. Pl. Double French Mixture.** The double form of the Shirley type. 1 oz. 15c 05

2828 **Vaughan's Special Mixture of Double Poppies.** This includes all the above sorts, and will produce charming flowers in an endless variety of colors. ¼ lb. 70c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c 10

2830 **Vaughan's Special Mixture of Double and Single Poppies.** Comprises not only all the double and single Poppies described but also a number of other sorts especially purchased for this mixture, including some entirely new ones. 1 oz. 30c; ½ oz. 20c 10

Portulaca (Rose Moss) ⊙ 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear.

PORTULACA DOUBLE

Pkt.

Large Flowering Single

2842 **White.**

2845 **Pink,** each. 05

2844 **Yellow.** ¼ oz. 20c 05

2846 **Striped.** ¼ oz. 20c 05

2848 **Scarlet.** ¼ oz. 20c 05

2849 **Parana.** Extremely large reddish purple flowers. 15

2850 **Single Mixed.** 1 oz. 50c; ¼ oz. 15c 05

2852 **Imported Collection of 8 Colors.** 25

Large Flowering Double

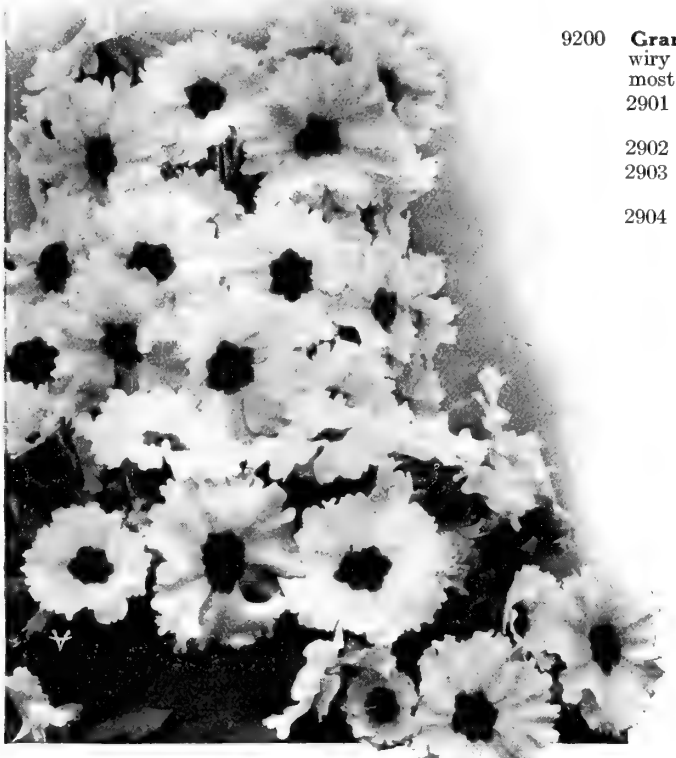
2854 **White** 2855 **Yellow** 10

2856 **Pink** 2858 **Scarlet** 10

2860 **Double Good Mixture.** ¼ oz. 25c 05

2865 **Double Best Mixture.** ⅛ oz. 75c 10

2868 **Imported Collection of 6 Colors.** 35



TYPE OF INTERNATIONAL PRIMULA

Primula Chinensis ⌙ 8 in.

This is one of the most charming winter flowering house plants, and one that is entirely free from insect pests. Our seed has been specially grown for us by the most celebrated English Primula specialist. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

		Pkt.
2882	**Covent Garden White.** The blooms are very large, and beautifully fringed, petals solid, erect, and very free flowering....100 seeds	25
2883	**Orange King.** The beautiful orange color in the bud, and the orange-salmon shade around the edge of terracotta petals are most pleasing....100 seeds	25
2884	**True Blue.** Beautiful fimbriated blooms of giant size. Good substance. The best blue Primula....100 seeds	25
2885	**Giant Pink.** The finest and largest of all the Giant Primulas. Extremely large petals, of great substance. Vigorous, erect habit....100 seeds	25
2886	**Chiswick Red.** Improved strain. Very fine red.100 seeds	25
2888	**Good Mixture of Single Varieties.** French grown..	05
2890	VAUGHAN'S SPECIAL **Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades....100 seeds	15

Various Sorts

2892	**Malacoides** ⌙ 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion....	25
2894	**Forbesi (Baby Primrose)** ⌙ 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems....	10

Primula Obconica

2897	**Grandiflora Crispa.** The edges of the petals are curled and waved, thereby presenting a flower head which appears larger and fuller than the plain-edged types. The color is a beautiful apple-blossom pink...	25
2898	**Grandiflora Fire Queen.** The flowers are of medium size, borne in well-formed clusters, and are of a glowing salmon carmine-red. The very best of the dark red sorts....200 seeds	25
2899	**Grandiflora Coerulea.** A most pleasing soft lavender, which is intensified if the plants are kept partially shaded....200 seeds	25

Primula—Continued

9200	**Grandiflora Compacta Rosea.** The flowers are borne on short, wiry stems just above the foliage, forming a dense bouquet of the most pleasing rose color on the green background of foliage. 200 seeds	25
2901	**Grandiflora Rosea.** The best of its color, being a brilliant rose-pink; flowers of large size and form....300 seeds	25
2902	**Grandiflora Alba.** Large-flowered, pure white... 200 seeds	25
2903	**Grandiflora Kermesina.** Brilliant carmine red, large flowered....300 seeds	25
2904	**Grandiflora Mixed.** A well-balanced mixture of all the above....350 seeds	25

Obconica Gigantea

The leaves are dark green, thick and leathery, roundish, veined at the edges, and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1¼ to 1½ inches in diameter, and are borne inclusters up to four inches across.

2906	**Gigantea Rosea.** A beautiful clear rose...200 seeds	25
2907	**Gigantea Oculata.** Very distinct. The pink flowers have a large dark eye....150 seeds	25
2908	**Kermesina.** Brilliant carmine red; a beautiful and very conspicuous color....200 seeds	25
2925	**RHODANTHE Mixed** ⊙ 1 ft. Very beautiful, delicate looking, everlasting....¼ oz. 15c	05

Ricinus (Castor Bean) ⊙

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans n the borders.

2930	**Borboniensis Arboreus.** 15 ft. Immense plants with green foliage....1 oz. 10c	05
2932	**Cambodgensis.** 6 to 8 ft. Large palm-like leaves of the darkest bronze maroon; stalk and stem nearly black....1 oz. 10c	05
2933	**Gibsonii.** 5 ft. Handsome bronzy mulberry-colored stems and foliage, very effective....	05
2934	**Panormitanus.** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered, very ornamental....1 oz. 25c	10
2935	**Sanguineus.** 6 ft. Green leaved, red stems and seeds....1 oz. 10c	05
2936	**Zanzibariensis Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom....1 oz. 15c	05
2937	**Imported Collection.** 8 varieties....	35
2938	**Mixed.** Many sorts....1 lb. 70c; 1 oz. 10c	05

RICINUS (Castor Bean)

SALPIGLOSSIS
Vaughan's
Special Mixed

Salpiglossis ⊙ 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube shaped much like a Petunia but rivalling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it.

		Pkt.			Pkt.
2946	**Bright Crimson**	15	2950	**Purple Violet with Gold**	15
2947	**Faust.** Black	15			
2948	**Lilac and Gold**	15	2951	**Velvety Violet**	15
2949	**Pink**	15	2952	**Golden Yellow**	15
2953	**Mixed.** Good quality ¼ oz.	20c			05
2955	**Emperor Mixed.** Large improved strain, complete range of colors ⅛ oz.	20c			10
2960	**Vaughan's Special Mixture.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable ¼ oz.	50c			15
2961	**Imported Collections.** 6 Varieties				50

Salvia Splendens (Scarlet Sage)

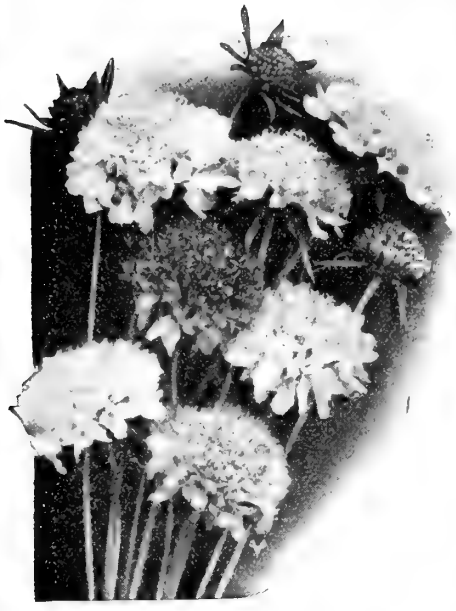
The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

2969	**Fireball.** 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes		15
2970	**Clara Bedman or Bonfire.** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes ⅛ oz.	50c	10
2972	**Drooping Spikes.** 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary Salvia Splendens ⅛ oz.	40c	10
2973	**Zurich.** Early. The plants are dwarf and compact with large brilliant flower spikes		20
2974	**Splendens.** 2½ ft. The original Scarlet Sage		05
2975	**Mixed.** The above sorts and others ⅛ oz.	35c	10

		Pkt.
2940	**ROSE Polyantha.** 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing	10
2942	**RUDBECKIA Bicolor Superba (Coneflower)** ⊙ 2 ft. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting	10
2943	**SABBATIA Campestris** ⊙ 1 ft. A dwarf hardy annual with charming rose-colored flowers	25

Salvia

2964	**Coccinea** ⊙ 2 ft. Annual scarlet sage ¼ oz.	15c	05
2965	**Farinacea** ⊙ 3 ft. Tall spikes of silvery lavender blooms from a dense mass of foliage		05
2966	**Patens** ⊃ 2 ft. Ultramarine blue, beautiful flowers		10
2967	**Horminum Violacea** ⊙ 1½ ft. Clary. Flowers beautiful violet blue; useful for bedding		10



SCABIOSA—Double Large Flowering

SCHIZANTHUS Wisetonensis

STOCKS—Beauty of Nice

3000 **SANVITALIA Procumbens Fl. Pl.** ⊙ 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant. ¼ oz. 20c — Pkt. 05

3001 **SAPONARIA Calabrica** ⊙ 1 ft. Dwarf annual with small pink starry flowers borne in profusion; excellent for edgings or small beds. — 10

3002 **Vaccaria** ⊙ 3 ft. Splendid tall growing variety of branching habit with pale rose flowers. — 10

Scabiosa (Mourning Bride) 2½ ft. ⊙

Commonly known as the Pincushion Plant owing to the queer effect of the center of the flower. The outer petals making a ruffle around the cushion filled with pins, carries out the idea. The flower stems are long and the blossoms keep well in water. The soft shades predominate.

Large Flowering Double

3010 **Snowball** 10 — 3015 **Fiery Scarlet** 10

3012 **Golden Yellow** 10 — 3016 **Azure Fairy** 10

3014 **Pink** 10 — 3018 **Black Prince** 10

3020 **Mixed.** The above and many others. ½ oz. 20c — 05

3030 **SCHIZANTHUS Hybridus Grandiflorus** ⊙ 1 ft. (**The Poor Man's Orchid.**) Neat pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs. — 10

3032 **Wisetonensis** ⊙ 1½ ft. A charming annual with graceful fern-like foliage and a profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. A really beautiful subject for the flower border from seed raised in February, and for winter decoration in greenhouse from seed raised in May and June. — 25

3033 **SCHIZOPETALON Walkeri** ⊙ 1 ft. White flowers, delightfully fragrant in the morning, evening, or after a shower; scatter the seed as is done with Mignonette, everywhere in beds, borders, etc. — 10

3034 **SEDUM Coeruleum** ⊙ 4 in. Pale azure-blue, a pretty dwarf annual, charming in pots and on rockwork. — 05

3035 **SENECIO Elegans Fl. Pl. Mixed** ⊙ 1 to 2 ft. (**Jacobaea or American Groundsel.**) Free flowering pot plant — 05

SENSITIVE PLANT. See Mimosa.

3036 **SHAMROCK** 3 in. True stock. — 10

3037 **SILENE Armeria Mixed** ⊙ 1½ ft. (**Catchfly**). A very showy early-flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. — 05

3038 **Pendula Mixed.** 1 ft. Splendid for spring bedding. — 05

3040 **SMILAX** ⌓ § 6 ft. Makes a fine pot or basket plant. Elegant for table decoration when cut — 05

SNAPDRAGON. See Antirrhinum.

3042 **SOLANUM Capsicastrum Nanum** ⌒ 2 ft. (**Jerusalem Cherry.**) Easily grown plants with ornamental fruit. Especially fine for pots. — 10

Solanum—Continued

Pkt.

3043 **Melvini.** The fruits cling firmly to the plant. — 10

3044 **Christmas Pepper.** 1 ft. Pot plant grown for the ornamental, bright colored fruit. — 10

3045 **STATICE, Russian** ⊙ 1 ft. Flowers bright rose color; valuable for winter bouquets. — 10

3046 **STEVIA Serrata** ⊙ ⌒ 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. — 10

Stocks Large Flowering ⊙ (Levkojen)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding.

3050 **White** — 3052 **Canary Yellow**

3053 **Flesh** — 3054 **Brilliant Rose**

3055 **Crimson** — 3056 **Light Blue**

3058 **Purple**

Each of the above. — 10

3060 **Fine Mixed**. ⅛ oz. 15c — 05

3070 **Best Mixed**. ⅛ oz. 25c — 10

3072 **Imported Collection.** 6 colors. — 30

3074 **Imported Collection.** 12 colors. — 60

Giant Perfection 1½ ft.

Useful for outdoor bedding as well as for pots or cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers.

3075 **White** — 3080 **Scarlet**

3076 **Canary Yellow** — 3082 **Light Blue**

3078 **Pink** — 3084 **Dark Blue**

Each of the above. — 10

3085 **Mixed**. ⅛ oz. 40c — 10

3086 **Imported Collection.** 6 colors. — 50

Beauty of Nice 2 ft.

A handsome winter stock of quick growth, flowers of large size.

3090 **White** — 3094 **Queen Alexandra.** Delicate rosy lilac.

3092 **Monte Carlo.** Yellow

3093 **Azure Blue** — 3095 **Pink.** Each of above. — 10

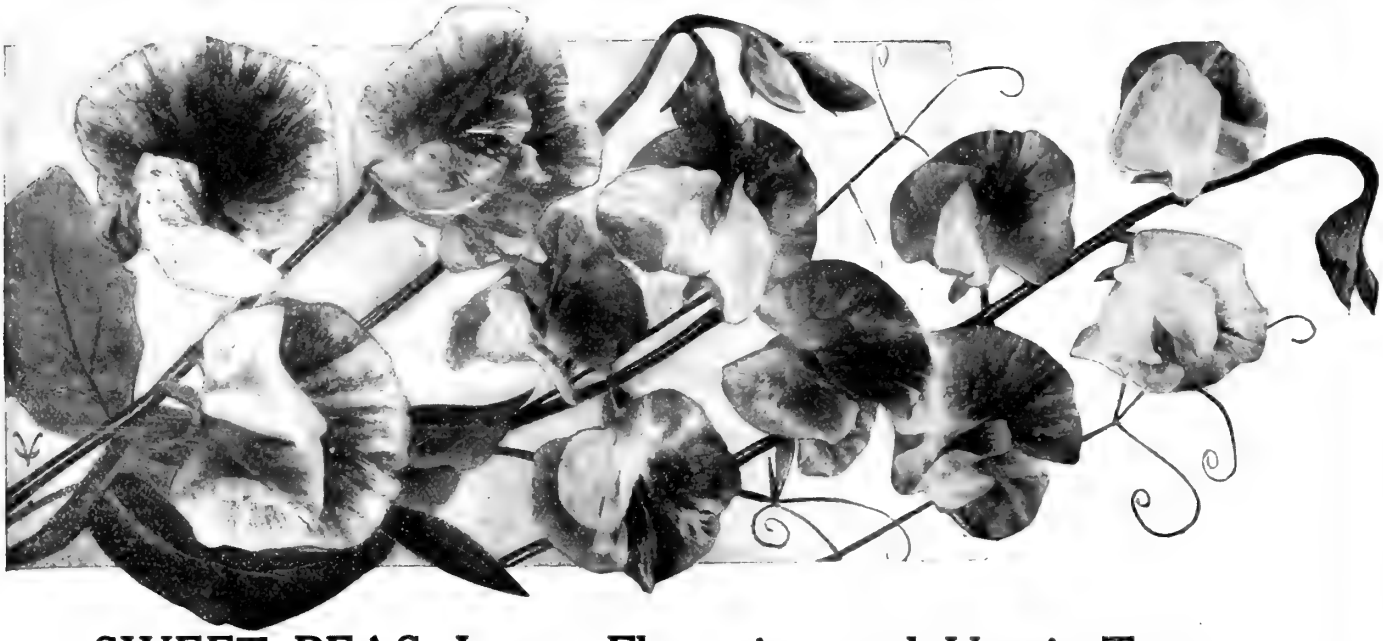
3096 **Crimson.** — 3100 **Mixed**

Bismarck 2½ ft.

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

3105 **White.** 3108 **Gold Ball.** 3110 **Lavender**

3131 **Vaughan's Special Mixture of Stocks.** Contains all the above and many others not catalogued. — 15



SWEET PEAS–Large Flowering and Unwin Types § 5 to 6 ft.

Below we offer a revised list of this class of Sweet Peas which includes every color known. We have omitted all small flowering and inferior varieties and duplicates under different names. If any one familiar with a name of variety not catalogued here will write us for it, we can probably send precisely the same shade of color in an improved variety, under one of the names we list here.

		¼ Lb.	Oz.	Pkt.
3400	**America,** blood-red striped white	$0 20	$0 10	$0 05
3401	**Black Knight,** dark maroon	25	10	05
3402	**Blanche Ferry,** pink and white	20	10	05
3403	**Dainty,** white with pink picotee edge	25	10	05
3404	**Dorothy Eckford,** one of the best whites	20	10	05
3405	**Emily Henderson,** white, early and free	20	10	05
3406	**Frank Dolby,** finest pale blue	40	15	05
3407	**Flora Norton,** a very bright blue	25	10	05
3408	**Gladys Unwin,** pale rosy pink	25	10	05
3409	**Hon. Mrs. E. Kenyon,** yellow	25	10	05
3410	**King Edward VII,** fine scarlet	20	10	05
3411	**Lady Grisel Hamilton,** lavender	$0 20	$0 10	$0 05
3412	**Lord Nelson,** richer than Navy Blue	25	10	05
3413	**Mrs. George Higginson, Jr.,** delicate light blue	20	10	05
3414	**Mrs. Walter Wright,** beautiful mauve	20	10	05
3415	**Nora Unwin,** giant white	30	15	05
3416	**Prima Donna,** soft pink	20	10	05
3417	**Queen Alexandra,** giant size scarlet	25	10	05
3418	**Salopian,** dark bright red	20	10	05
3419	**Senator,** chocolate, striped white	20	10	05
3420	**White Wonder,** many-flowered white	30	15	05

Sweet Peas In Mixture

Mixed Sweet Peas In Separate Shades.

For such as prefer to grow the various colors separate we have arranged the following mixtures out of the finest named sorts.

3421 **Pink Shades.** Light to deep pink.
3422 **Red Shades.** Bright rose to dark scarlet.
3423 **Lavender and Blue Shades.** Pale lavender to mauve
3424 **Purple and Maroon Shades.** All the dark colors.
3425 **White and Primrose Shades.** All the delicate tints.

3426 **Striped Sorts.** Various combinations.

Each of the above, lb. $1.00; ¼ lb. 35c; oz. 10c.

3427 **Collection of one ounce each of the six separate shades 40c.**

3429 **Eckford's Mixture.** Contains some of each of the entire list of varieties and cannot fail to give satisfaction.....lb. 70c; ¼ lb. 20c; oz. 5c

3450 **Sweet Peas, Vaughan's Prize Mixture.** This is the only complete and thoroughly up to date mixture in existence. It is mixed from a carefully prepared formula which is revised each year. The daintiest colors of all the Spencers, Large Flowering and Unwin types as well as darker combinations make a garden a continued joy.

VAUGHAN'S SPECIAL

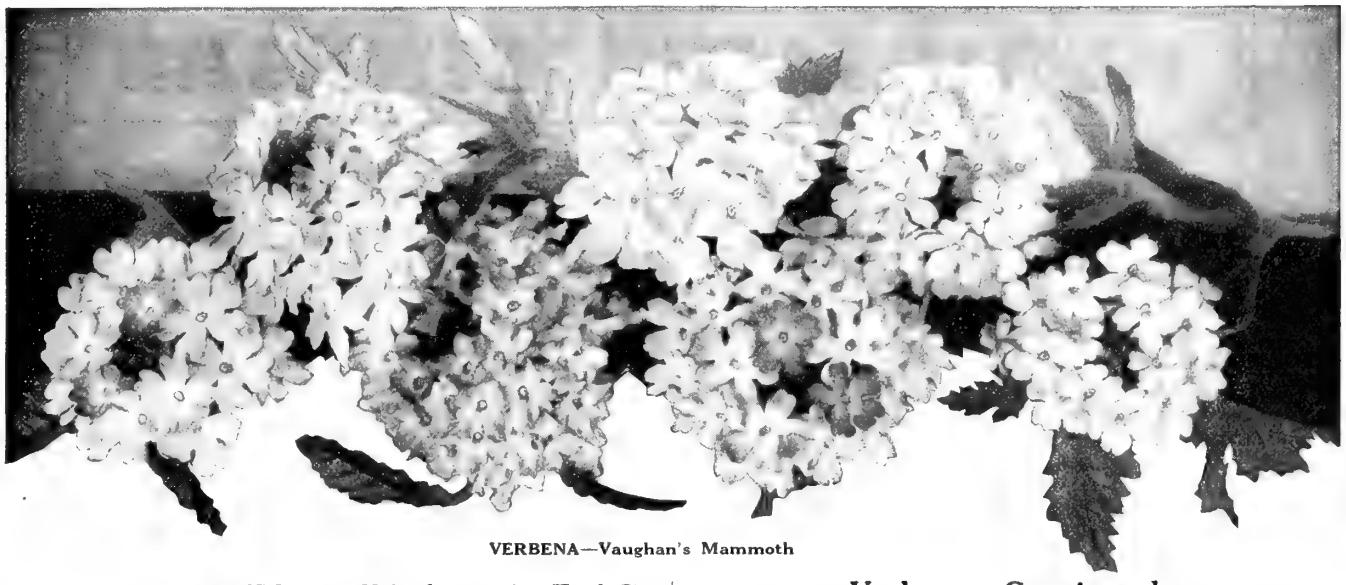
1 lb. $1.25; ½ lb. 65c; ¼ lb. 35c; oz. 15c; pkt. 10c.

Christmas or Winter-Flowering Sweet Peas

A separate class that has become popular for greenhouse forcing. They start blossoming in from eight to twelve weeks from sowing and blossom uninterruptedly for weeks. The flowers are of very fine size, on long stems, grown out-of-doors they blossom early but smaller.

3451 **Christmas Countess.** Sky blue
3452 **Christmas Meteor.** Red
3453 **Christmas Pink.** Pink and white
3454 **Christmas Prima Donna.** Daybreak pink
3455 **Christmas Sunbeam.** Lemon colored
3456 **Christmas White**
3457 **Mrs. Alexander Wallace.** Lavender
3458 **Mrs. William Sim.** Salmon pink
3459 **Le Marquis.** Navy blue
3460 **Winter Flowering Mixed.** All the above mixed

Any of above: Pkt. 5c; oz. 15c; ¼ lb. 50c.



VERBENA—Vaughan's Mammoth

3132 **STREPTOCARPUS Largest Hybrids** ⌓ 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging in color from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer ..... Pkt. 25

3136 **SWAINSONIA Grandiflora Alba** ⌒ 3 ft. Loaded from tip to base with graceful sprays of large, pure white, waxy, sweet pea-like flowers; acacia-like foliage. 10

3137 **SWEET CLOVER (Gracilis Melilotus) White.** ⊙ 2 to 3 ft. Blooming the first season, with white, sweet-scented flowers 05

3138 **Blue (Melilotus Coerulea).** Very fragrant 05

3139 **Yellow (Trifolium Suaveolens)** 05

3512 **THUNBERGIA Alata Mixed (Black Eyed Susan)** ⊙ § 5 ft. Beautiful trailing plants for hanging baskets and lawn vases ..... ¼ oz. 15c 05

3515 **TORENIA Fournieri Grandiflora** ⊙ ⌓ 10 in. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flowers of a delightful sky-blue They are excellent for beds, pots or hanging baskets.. 10

3518 **Mixed** 05

Verbena Hybrida ⊙ 9 in.

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. For beds, borders, mounds, vases and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lillies. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost.

3524 **Auricula-Flowered.** All have white eyes 05

3525 **Defiance.** A real intense scarlet 05

3526 **Dark Blue with White Eye.** Very showy 05

3528 **Striped.** Mostly light colors with red and blue stripes. 05

3530 **Stellata Carminea.** Carmine with a white eye 10

3532 **Stellata Purpurea.** Purple and white eye 10

3534 **Stellata Coccinea.** Scarlet with white eye 10

3535 **Good Mixed** ..... 1 oz. 60c; ⅛ oz. 10c 05

3540 **Extra Choice Mixed.** The above and the mammoth sorts and others ..... 1 oz. $1.00; ⅛ oz. 15c 10

Mammoth Types

A carefully selected and improved strain of Verbenas. The trusses and individual flowers are of the largest size, of brilliant colors; free blooming and of vigorous habit.

3542 **White.** Dense heads of finely shaped white flowers 10

3544 **Mayflower.** Pink 10

3545 **Striped,** White on Red Ground 10

3546 **Aurora Borealis.** Fiery red 15

3547 **Firefly.** Intense red 10

3548 **Commandant Marchand.** Dark purple 15

3549 **Purple.** Dark purple 10

3550 **Mammoth Mixed.** Producing in handsome unbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple ..... ¼ oz. 25c 10

3551 **Hybrida Gigantea.** A wonderful mixture of large flowering varieties introduced by a German specialist. The flowers are as the name indicates, gigantic, and with white eye, the reds particularly attractive 10

Verbena—Continued

Pkt.

3555 **Vaughan's Best Mixture.** This embraces all that is choice and desirable in Verbenas. It includes the mammoth flowered strains of three Verbena Specialists, the dazzling Defiance, the Mammoth White, Purples, Striped, and all the Auricula flowered varieties with their large umbels of white-eyed flowers. We feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz. $3.00; ⅛ oz. 50c; large packet 25c; 125 seeds 15

3556 **Dwarf Mixed.** 6 in. Good for edging, making an even carpet of blossoms and leaves 10

3557 **Citriodora (Lemon Scented Verbena)** ⌒ 3 ft. An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens 10

3558 **Teucrioides.** Characterized by fragrant white flowers in very long clusters 10

3560 **Venosa** 1 ft. Largely used for bedding purposes, strong, thrifty growers covered with bright purple and heliotrope flowers 05

Vinca Rosea (Periwinkle) ⌓ 1 ft.

Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted, and kept in bloom through the winter. Germinates slowly.

3580 **White** ..... ⅛ oz. 15c.. 05

3582 **White with Eye** ..... ⅛ oz. 15c.. 05

3584 **Pink** ..... ⅛ oz. 15c.. 05

3585 **Mixed** ..... ¼ oz. 25c.. 05

3610 **VISCARIA Cardinalis** ⊙ 1 ft. Very showy and effective garden annuals, producing freely throughout the summer large single flowers of brilliant crimson. Very bright and effective for beds and useful for cutting.. 05

3611 **Mixed.** Pretty plants with a mass or bright open flowers in red, white and blue shades 05

3612 **VIRGINIAN STOCK Mixed** ⊙ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in lines and beds producing a charming effect 05

Wallflower (Goldlack) ⌒ 1½ ft.

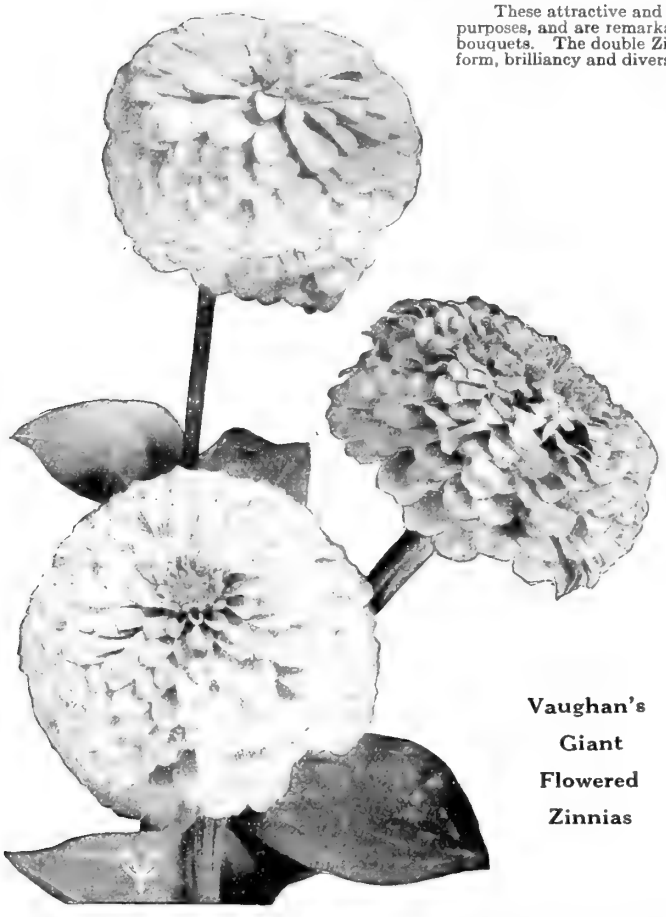
Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last as long as cut flowers. Not hardy in the northern states, should be wintered in cold frames.

3615 **Single Mixed** ..... ¼ oz. 15c.. 05

3620 **Double Mixed** 10

3622 **Single Annual Mixed** ⊙ Seed sown in the open ground the first of May will commence blooming in July 10

VAUGHAN'S ZINNIAS



Vaughan's Giant Flowered Zinnias

Youth and Old Age ⊙

These attractive and decorative hardy annuals are most desirable plants for mixed borders or bedding purposes, and are remarkable for the profusion and duration of their flowers, which are extremely useful for bouquets. The double Zinnias are exceedingly handsome, the flowers being notable for their large size, fine form, brilliancy and diversity of color. The plants come quickly from seed and are easily transplanted.

Elegans Fl. Pl. Double Flowered 2½ ft.

		Pkt
3702	**Alba.** White	
3704	**Golden Yellow**	
3705	**Flesh Color**	
3706	**Rose**	
3708	**Scarlet**	
3710	**Jacqueminot** Blood red	
3712	**Zebra Striped**	
	Each of above.....¼ oz. 25c..	10
3713	**Double Good Mixed**.....1 oz. 25c; ½ oz. 15c..	05

New Giant Flowered or Colossal ⊙ 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

		Pkt.			Pkt.
3714	**White**.....	15	2718	**Crimson**.....	15
3715	**Golden Yellow**...	15	3719	**Scarlet**.....	15
3716	**Sulphur Yellow**..	15	3720	**Violet**.....	15
3717	**Flesh Color**.....	15	3721	**Purple**.....	15
3722	**Imported Collection.** 8 varieties as noted above....				50

This collection is one we have offered for two years past and is one of the items we carry for which we have received many unsolicited testimonials.

New Shades

3723	**Apple Blossom**	3725	**Old Rose**
3724	**Burnt Orange**	3726	**Black Purple**

Each of the above..... 10

3727 **Giant Striped.** We discovered on our trip through the seed fields of a specialist in Europe a strain of Zinnias that produced 90 per cent. of the most beautifully striped flowers we ever saw. The predominating shades are yellow, scarlet, orange and white..... 15

3728 **Vaughan's Giant Flowered Mixed.** This is a mixture of the largest Zinnias; plants are of vigorous growth, about 3 ft. in height and very profuse of bloom. The flowers are extremely double, and very brilliant in color, showing shades not found in any former collection. Be sure and include this in your order.....¼ oz. 30c.. 10

3730 **Double Crested and Curled.** The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias.....¼ oz. 25c.. 10

3735 **Liliput Double Mixed** 15 in. The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers, hardly exceeding a daisy flower in size. They are very pretty plants, bloom all summer until late in the fall.....¼ oz. 25c.. 10

3740 **Pompon Double Mixed** 2 ft. A very fine strain, containing many rich colors and shades. The flowers are in size between the Liliput and the Large-flowering varieties.....½ oz. 15c.. 05

3645 **Red Riding Hood** 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective.....¼ oz. 25c.. 10

3750 **Mexicana Hybrida** 12 in. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free flowering and pretty.....¼ oz. 25c.. 10

3755 **Mexicana Hybrida Fl. Pl.** 15 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation...¼ oz..25c.. 10

Wild Cucumber (Echinocystis Lobata)

⊙ § 30 ft.

		Pkt.
3636	This is the quickest growing climber on our list. Grows wild self sown, in many parts of the west. Should be sown late in the fall or very early in the spring. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. For a trellis or pillar no annual vine is more chaste, and it will quickly cover an old tree or an unsightly building..1 lb. $1.50; ¼ lb. 40c; 1 oz. 15c; ½ oz. 10c	05
3640	**XERANTHEMUM Double Mixed** ⊙ 2 ft. Bright and pretty 'Everlasting' with silvery foliage and silky flowers in pink, white and purple.....¼ oz. 15c..	05
3645	**ZEA Japonica Quadricolor Perfecta** ⊙ 4 ft. This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich light warm soils. The leaves are striped in yellow, green, rose and dark red.....¼ oz. 20c..	05
3775	**WILD FLOWER GARDEN.** A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, or roadside planting, etc. 1 lb. $1.00; ¼ lb. 30c; 1 oz. 10c.....	05

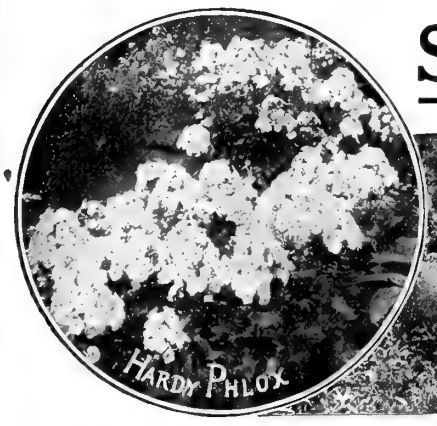
Vaughan's Seed Store has been especially fortunate, considering the war conditions prevailing in Europe, in having a travelling buyer in French, Dutch and Belgian Bulb, Seed and Plant districts since the beginning of the war in August, and later in English and Scotch Grass Seed districts. We have therefore secured the best stocks from the best samples offered at original sources, under the most favorable market conditions.

CHOICE HARDY PERENNIALS

"The Flowers Our Grandmothers Loved"

offered in

Seeds and Plants



THE spirited and perpetual charm of hardy gardens has won for them wide and intense enthusiasm. While natural and restful in general effect, their beauty is yet ever varying and ever appealing, for flowers may be found in them throughout the season—something new of interest every day. Inspiration for the best work of recent years has come from gardens planted long ago. We have seen them grow into richer, fuller and mellower beauty instead of fading with time, and how colonies of old garden favorites sometimes outlive, on the same spot, three generations of owners. Thus we are learning to take the finer, more enduring old gardens for our models, welcoming back to our borders the drifts of Snow-pinks, the gay Peonies, and Hollyhocks, sweet-breathed Day Lilies, brilliant Poppies, the Larkspurs, Phloxes, Irises, and all the year's train of the old-time Hardy flowers. We offer here a most complete list of seeds and plants of these beautiful hardy flowers and customers will please state distinctly which they require—**Plants, Seed, or both,** where such are offered, and use the order sheets supplied for each.

NOTE—The numbers in left hand column indicate varieties of which we offer seed, this number is sufficient and more acceptable to us when ordering seeds. Where no number appears, we offer plants only.

SEED SOWING

Raising Perennials from seed requires a knowledge of plants, their likes and dislikes, which cannot be conveyed in a few words, but a few things to be done and to be remembered will be found acceptable to the amateur whose facilities for seed starting may be scant, while to the accomplished gardener with all the latest appliances we may perchance, renew his elementary rules:

THE TIME TO SOW Many Perennials such as Aquilegia, Gaillardia, Hollyhock, Myosotis, Larkspur, Sweet William, etc., sown inside very early in Spring, (March or April) should blossom the same year, but the general rule for all is August or September sowing, outdoors, and is the best way for those who have no conservatory or cold frame for early sowing.

STARTING THE SEED INSIDE Fill the seed boxes, pans or pots with a light, well pulverized mixture of sand and fresh loam, and sow seeds on the surface, or not more than ¼-inch underneath. Water as required and give air and light, shading during bright days. When strong enough, transplant into large flats, or if weather permits to their permanent quarters in the garden.

LATE SUMMER AND FALL SOWING Sow in boxes outside and shade, or in partially shaded border or cold frame; later plant out permanently, and at the commencement of frost give them a light covering of straw, leaves or dry litter.

If the plants are not too overgrown and crowded they may be left in the seed bed over winter. Losses will sometimes occur with beginners but "experience teaches" and it is only by experience that these can be overcome.

PLANTING

All varieties of plants marked with an asterisk (*) can be supplied in larger clumps at a 50 per cent increase in price, by express only.

It is always advisable to have a planting plan, no matter how crude, and arrange on a paper the plants you wish to use in their exact relation to position, bearing in mind the heights, colors and time of flowering or foliage effect. All this may be had by consulting our list. It is always wise to plant in masses as these Perennials are usually found so in nature, and natural conditions should be copied as much as possible. A small number of varieties well arranged is more satisfactory than the whole planted with one of a kind of many varieties.

Parties ordering for first time and not familiar with the different sorts will do well to consult us, allowing us to make the selection, as we are always willing to give our customers the benefit of our many years of experience,

Bearing in mind that the plants must remain as set for several years, it is as well to make a thorough preparation. Have the ground in good tilth before doing any planting. Spade in a liberal quantity of well rotted manure and bone meal in the fall before, if convenient.

Planting should be commenced as early as possible in the spring usually about ten days after the frost is out of the ground. The soil is then in good condition. By planting early, the plants have a chance to become established before the hot weather sets in, and will than give better satisfaction the first year. Do this work carefully and cultivate thoroughly afterwards. Pains taken in this direction will be amply repaid. (**These notes refer only to the spring planting of established plants from our nursery.**)

PLANTS BY PARCEL POST

When requested we send small orders by this means but always prefer to send **BY EXPRESS,** as we can send larger plants, pack more carefully, and they arrive in better condition. Please remit extra money as follows for postage:

Single plants, **5c;** 3 plants, **10c;** 6 plants, **15c.** 12 plants, **20c.**

ABOUT PRICES OF PLANTS

Where the price each is given, the following are our rates for 3 and 12 of a kind.

Each	3 for	Dozen	Each	3 for	Dozen
15c	40	$1.50	35c	$1.00	$3.50
20c	50	2.00	40c	1.10	4.00
25c	65	2.50	45c	1.25	4.50
30c	80	3.00	50c	1.40	5.00

VAUGHAN'S SPECIAL OFFER OF HARDY PLANTS

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own. We cannot furnish list of varieties in these collections, but will send out everything labeled.

No. 21—	Hardy Plants	25	first class plants in variety for			$3.00
No. 22—	"	"	50	"	"	"	5.00
No 23—	"	"	100	"	"	"	9.50
No. 24—	"	"	250	"	"	"	23 00
No. 25—	"	"	500	"	"	"	45.00
No. 26—	"	"	1000	"	"	"	85.00

VAUGHAN'S "SUNNY BORDER" COLLECTION OLD FASHIONED FLOWERS

For planting in sunny situation

1 Achillea, The Pearl	**1 Dianthus (Hardy Pink)**
3 German Iris	**3 Phlox (3 colors)**
2 Gaillardia Grandiflora	**3 Peonies**
3 Delphinium	**1 Coreopsis**
1 Hemerocallis (Lemon Lily)	**1 Hollyhock**
1 Helenium (Sunflower)	**1 Funkia Lanceolata**
1 Rudbeckia	**3 Sweet William**

25 STRONG PLANTS FOR $3.00 PREPAID

VAUGHAN'S "SHADY BORDER" COLLECTION OLD FASHIONED FLOWERS

For planting in shade or partial shade

2 Aconitum Napellus (Monkshood)	**2 Funkia (Day Lily)**
2 Anemone Sylvestris	**2 Papaver (Oriental Poppy)**
3 Aquilegia Mixed (Columbine)	**2 Primula Veris (Hardy Primrose)**
3 Campanula Persicifolia (Peach Bells)	**1 Trollius**
3 Digitalis Mixed (Foxglove)	**1 Platycodon, white or blue**
3 Iberis (Hardy Candytuft)	**1 Rudbeckia Newmanni**

25 STRONG PLANTS FOR $3.00 PREPAID

We do not offer these collections in seeds. Please do not ask us to substitute any of the above plants.

Perennial Flower Seeds and Plants

ACHILLEA The Pearl

		Per Pkt.	Per Plant
5000	**ABOBRA Viridiflora.** 15 ft. A rapid growing climbing gourd with scarlet fruit and dark green foliage	.10	..
5001	**ACANTHUS Latifolius.** Aug. 3 ft. Handsome decorative plant, broad deeply cut foliage; beautiful for solitary plants in lawn or for grouping with other plants. Per oz. **15c**	.10	..
5002	**Mollis.** Flower spikes 5 ft. high of white and pink flowers. Per oz. **15c**	.10	..
	ACHILLEA (Yarrow, Milfoil) Free flowering plants of easy culture for the mixed border; most of the varieties are very suitable for cutting.		
5003	**Ageratum.** June-Aug. A yellow flowered, sweet scented perennial which grows rapidly and blooms the first year from seed	.15	..
	***Filipendula, Parker's Variety.** June-Aug. 1½ ft. Flat heads of pale yellow flowers	..	.15
	Millefolia Rosea. 2 ft. June-July. Large umbels of bright rose colored flowers	..	.15
	Ptarmica fl. pl. Boule de Neige. 2 ft., June to Aug. Large, double, pure white flowers	..	.15
	Perry's White. 2 ft., June to Aug. Flowers fully double and pure white, very free and continuous blooming, a valuable new variety	..	.50
5004	**The Pearl.** 2 ft. June to Aug. Pure white, fine for cutting. **100, $10.00**	.10	.15
	ACONITUM (Monkshood). Handsome herbaceous plants, with bold spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies thriving anywhere, either in shady or sunny aspect. Summer and autumn flowering. Care should be taken that the Aconitums are not planted in or near the kitchen garden, where their tuberous roots, which are poisonous, might accidentally be used for food.		
	Fischeri. 2 ft. Sept. Large porcelain blue flowers	..	.25
5005	**Napellus.** 2½ ft. Aug. Fine rich blue flowers. ¼ oz. **25c**	.05	.25
	Bicolor. 5 ft. Aug. Blue and white, fine for cutting	..	.25
	Spark's Variety. 5 ft. Aug. Violet blue, on branching spikes	..	.25
5006	**Wilsoni.** Deep blue flowers, on large trusses	.10	.25
	ACTAEA (Baneberry). A native plant, with long, feathery racemes; requires a shady place. The flowers are followed by clusters of black berries.		
	Japonica. 2½ ft. Sept.-Oct. Pure white flowers	..	.25
5007	**ADENOPHORA Potaninii.** 18 in. Light blue bell-shaped flowers produced on slender spikes in July and August	.10	..
5009	**ADLUMIA Cirrhosa (Allegheny Vine).** 15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant	.10	..
5010	**ADONIS Vernalis.** 18 in. May. Large star shaped yellow flowers. ½ oz. **15c**	.05	..
	AGROSTEMMA.		
5011	**Coronaria Varieties Mixed.** June-Sept. Mullein Pink, 1 to 2 ft.	.05	..
5012	**Flos Jovis.** 1 ft. Beautiful pink flowers. ½ oz. **15c**	.05	..
	AJUGA (Bugleweed.)		
	Reptans Atropurpurea. 6 in., May. A very useful dwarf plant, with brilliant blue flowers	..	.15
	ALYSSUM (Madwort).		
5013	**Saxatile Compactum (Basket of Gold).** 1 ft. May-June. Greatly prized for its masses of brilliant golden yellow flowers. ¼ oz. **15c**	.05	.15
5014	**Silver Queen.** Beautiful pale lemon blossoms	.05	..
5015	**AMPELOPSIS Veitchii (Boston Ivy).** Small leaved, self-clinging, Virginia Creeper. ½ oz. **15c**	.05	.30

ANCHUSA ITALICA

		Per Pkt	Per Plant
	AMSONIA Salicifolia. 2 ft. A very pretty blue flower for semi-shade	..	.20
5016	**ANCHUSA Italica, Dropmore Variety.** 5 ft. June-July. An improvement on the old variety, larger blue flowers, and plant of better habit	.25	.25
	Myosotidiflora. May-June. 1 ft. Producing in spring and early summer, panicles of blue forget-me-not-like flowers	..	.50
5018	**Opal.** June-July. (New.) 3-4 ft. Large pale blue flowers. Fine	.25	.25
	ANEMONE (Wind Flower). Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.		
	Canadensis. 1 ft. June. Masses of starry white blossoms	..	.15
5019	**Coronaria (Poppy Anemone) Mixed Colors.** June. 10 in.	.05	..
5020	**St. Brigid's Strain.** May-June. Double and Single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors	.15	..
5021	**Pulsatilla.** 10 in. Blooms in May. Flowers violet or purple; fine for rockery	.10	..
5022	**Sylvestris (Snow Anemone).** 1½ ft. May to June. One of the most satisfactory for the border; flowers large, cup-shaped, pure white	.10	.15
	Sylvestris fl. pl. Double pure white flowers	..	.25
	Japonica Varieties (Japanese Anemones.) These rank amongst the showiest and most useful of late **summer and autumn flowering** hardy border plants. For cutting all are of inestimable value, as they flower at a season when hardy flowers are in demand and getting scarce.		
	Alice. 3 ft. New. Large clear rose flowers	..	.25
	Geante des Blanches. 2 ft. Fine pure white	..	.25
	Honorine Joubert. Pure white. 2 ft. Per 100, **$10.00**	..	.15
	Kriemhilde. Beautiful rose-carmine. 2 ft	..	.25
	Prince Henry. Deep red. Very beautiful. 2 ft	..	.15

ANEMONE JAPONICA

☞Annual Flower Seeds are offered in separate list, pages 59 to 86.

Perennial Flower Seeds and Plants

ANTHEMIS TINCTORIA

ANEMONE Japonica—Continued.

		Per Pkt.	Per Plant
	Queen Charlotte. Double, delicate pink. 2½ ft.	Plants per 100, $10.00	.15
	Rosea Superba. Rose pink. 2 ft.		.15
	Whirlwind. Double white. 3 ft.		.15

Note.—Although Japanese Anemones do well in shade they are better planted in a sunny exposure in the latitude of Chicago, on account of the early frosts we frequently have. Planted in shade they bloom too late.

5025	**ANTHEMIS Kelwayi. (Hardy Marguerite).** 2 ft. A most satisfactory plant, bearing all summer, daisy-like yellow blossoms, excellent for cutting	.10	.15
5026	**Tinctoria.** Paler than the above. Each variety, per 100, **$10.00**	.10	.15

AQUILEGIA (Columbine).

Columbines are among the most beautiful hardy perennials producing graceful spurred flowers on stems 2 feet or more above the beautiful dark green divided foliage. They thrive in almost any situation, and adapt themselves most readily to naturalization. Our Long-Spurred Mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and of great value for massing, and with their long stems are splendid for cutting. **All plants per 100, $10.00.**

5027	**Canadensis (Turk's Cap)** Handsome scarlet and orange flowers	.10	.15
5028	**Chrysantha** 3 ft. Bright yellow, long spurred, ⅛ oz. **15c.**	.10	.15
5029	**Chrysantha Fl. Pl.** 3 ft. Double golden yellow flowers	.15	..
5030	**Grandiflora Alba.** 3 ft. Large flowering, pure white, long spurs	.10	.15
5031	**Coerulea (Rocky Mountain Columbine).** 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white, ⅛ oz. **25c.**	.10	.15
5032	**Hybrida, (Haylodgensis).** 2½ ft. Long spurred hybrids, ⅛ oz. **30c**	.10	.15
5033	**Rosea (Rose Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors	.15	.15
5034	**Candidissima.** Pure white	.10	..

AQUILEGIA (Columbine)

		Per Pkt.	Per Plant
5036	**Skinneri (Mexican Columbine).** Large scarlet and yellow flowers	.10	..
5037	**Truncata.** Orange scarlet with yellow	.10	..
5038	**Helenae.** 2 ft. Large flowers of rich deep blue, with a white corolla	.10	..
5040	**Nivea Grandiflora.** 15 in. Large pure white	.05	.15
5041	**Vervaeneana Atroviolacea Plenissima.** Double violet	.05	..
5042	**Vulgaris Alba Plena.** 2 ft. Double white flowers, ¼ oz. **15c.**	.05	.15
5043	**Single Mixed.** Many varieties, ¼ oz. **10c.**	.05	..
5044	**Double Mixed.** ¼ oz. **15c.**	.05	..
5045	**Barr's Scarlet and Pink Shades.** Very showy and beautiful	.25	..
5046	**Long Spurred Columbines.** A new and improved strain of Columbines, bearing flowers of many rich and varied colors with broad petals and long spurs. Colors are distinct shades of white, salmon, lavender, yellow, mauve, pink, etc. Extra fine. Plants per 100, **$10.00**	.15	.15
5047	VAUGHAN'S SPECIAL **Vaughan's Special Mixture** includes all the above mentioned varieties and will produce a magnificent bed of these desirable hardy plants	.25	.15
5048	**ARABIS (Rock-Cress).** Charming dwarf **spring-flowering** plants of easy cultivation; valuable for beds, rockwork and edgings. **Alpina,** 6 in. Pure white. ¼ oz. **25c.** Plants per 100, **$10.00**	.05	.15
	ARALIA Cordata (Japanese Udo). Valuable winter vegetable, 2 yr.		.35
	3 yr. plants, **50c each**	..	..

ARENARIA (Sand-Wort).

Fine subjects for the rock garden. Spring and early summer flowering

5049	**Caespitosa.** 3 in. Trailing evergreen perennial for rock garden, forming a dense carpet of foliage. Flowers pure white in May	.10	..
5050	**Montana (Mountain Sandwort)** 6 in. A close growing creeping variety, smothered with dainty white blossoms in early summer	.10	..
5051	**ARISTOLOCHIA Sipho (Dutchman's Pipe).** 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers of various colors. Requires protection in winter. 3 yr. plants, **each 50c**	.10	.35

ARMERIA (Thrift, Sea Pink or Cliff Rose).

Grand plants for crevices of walls and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea-coast. June-July.

5052	**Formosa.** 9 in. pretty rose pink. Grand for borders. Per 100, **$10.00**	.10	.15
5053	**Laucheana.** 6 in. Crimson flowers, deep green tufty foliage. Per 100, **$10**	.10	.15
5054	**Maritima.** 3 in. Silvery pink flowers	.05	..
5055*	**ARTEMISIA Lactiflora.** 5 ft. Sept.-Oct. A great acquisition for the herbaceous border or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration. Per 100, **$12.00**	.10	.20
5056	**ASCLEPIAS Tuberosa (Butterfly Weed).** 2 ft. One of the showiest of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers. Plants per 100, **$10.00**	.10	.15
5057	**ASPERULA Odorata (Waldmeister).** 6 in. Grown for its fragrant leaves and stems, which when dried have a sweet odor and are used for putting among clothes, etc.; also used to flavor the May wine	.10	.20
5059	**ASPHODELUS Albus,** June-July, 3 ft. Stately spikes of pure white flowers; suitable for beds or borders	.10	..
5060	**Luteus,** Fragrant yellow flowers; very effective	.10	..

We supply 25 and 50 plants at the 100 rate.

ARTEMISIA LACTIFLORA

Perennial Flower Seeds and Plants

ASTER—Michaelmas Daisy

		Per Pkt.	Per Plant
5061	**ASTER Alpinus (Hardy Alpine Aster or Blue Mountain Daisy).** 8 in. June-July. Dwarf species, with large, purple flowers. Fine for rockeries and mixed borders.	.10	.15
5062	**Speciosus.** Rich purple, very large	.10	..
	Goliath. (new). Purple, with yellow center, very fine	..	.25
5064	**Mixed.** Fine	.10	.15

ASTER (Michaelmas Daisy.)

Michaelmas Daisies now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce. To cut for vases and church decoration, etc., they are invaluable, providing, as they do, an inexhaustible supply of bloom.

	Amellus Beaute Parfaite (new). 2 ft. Very large blue flowers	..	.25
5065	**Bessarabicus** (new). 2 ft. Very deep blue	.10	..
	Beauty of Ronsdorf. 2½ ft. Immense flowers of delicate soft violet	..	.35
	Beauty of Colwall (new). Double, pale blue; distinct and beautiful.	..	.25
	Emma Bedau (new). 2½ ft. Fine ultramarine blue	..	.35
	Grandiflorus. 2 ft. Branching habit, with very large deep violet flowers	..	.50
	Hybrid Silberstern (new). 3 ft. Oct. White, edged pink; fine	..	.35
	Otto Rudolph (new). 3-4 ft. Sept. Grand shade of deep lilac	..	.35
	Perry's Favorite. 2½ ft. Oct. Flowers beautiful soft pink	..	.25
	Preciosa (new). 2 ft. Fine deep violet blue	..	.25
	Cordifolius Elegans. 4 ft. Sept. Minute whitish flowers	..	.20
	Ibericus Ultramarine. 3 ft. Aug.-Sept. Very deep blue flowers	..	.25
	Mesa Grande Speciosa Gr'flora. 2 ft. July-Aug. Deep blue	..	.25

		Per Pkt.	Per Plant
5066	**Novae Angliae.** 3 ft. Sept.-Oct. Deep purplish blue	.10	.15
	Mrs. J. F. Raynor. (New.) 5 ft. Oct. Vivid crimson flowers, very erect and profuse bloomer	..	.35
	Novae Belgiae, Glory of Nancy. 2½ ft. Sept.-Oct. Fine pure white	..	.20
	Ryecroft Pink. 4 ft. Sept.-Oct. Large flowers, soft rose pink	..	.25
	R. Parker. 5 ft. Sept.-Oct. Large pale gray-blue	..	.25
	St. Egwin. 3½ ft. Aug. Medium size, fine clear rose-pink	..	.25
5067	**Ptarmicoides.** 1½ ft. Distinct, pure white flowers	.10	..
5068	**Townshendi.** 2 ft. Pinkish lilac, fine for cutting	.10	..
	White Dwarf Queen. 3 ft. Sept.-Oct. Fine large white	..	.15
5070	**AUBRETIA Hybrida Grandiflora (Rock Cress).** 6 in. Beautiful dwarf spreading plants, covered with small viola-like flowers of pink, mauve, blue and violet. Fine for rockeries and border edges	.10	..
5071	**BAPTISIA Australis (False Indigo).** 2 ft. Beautiful racemes of pea-shaped light blue flowers appearing in midsummer. Per oz. **30c.**	.05	.15

BELLIS PERENNIS (Double Daisy).

6 to 8 in. April-June. A charming old favorite, for edging beds, borders or rockwork.

5073	**Snowball.** Double pure white. ⅛ oz. **50c.**	.10	..
5074	**Longfellow.** Double dark pink. ⅛ oz. **50c.**	.10	..
5075	**Double Good Mixture.** ⅛ oz. **25c,**	.05	..
5076	**Mammoth White.** Larger than Snowball.	.10	.10
5078	**Mammoth Pink.** Larger than Longfellow. Plants Per 100, **$7.00**	.10	.10
5079	**Mammoth Mixed**	.10	.10
5080	**Monstrosa White.** Flowers frequently attain the size of Zinnias. The flower stems are long and stiff	.15	..
5081	**Monstrosa, Pink**	.15	..

BOCCONIA

BOLTONIA ASTEROIDES

		Per Pkt.	Per Plant
5082	**Turban.** We have been on the lookout for a double red daisy, and in the Turban we believe we have found the long wanted color. The flowers are bright scarlet and very double	.25	..
5083	**BETONICA.** *Grandiflora Superba (Woundwort). 1 ft. June. A showy dwarf plant for borders, with deep purple tubular flowers. Plants per 100, **$12.00**	.10	.20
	BLEEDING HEART. See Dielytra		
5084	**BOCCONIA Cordata (Plume Poppy).** 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under-surface, and flower plumes of a pretty cream color. Plants per 100, **$12.00**	.10	.15
5085	***BOLTONIA Asteroides (False Camomile.)** 4 ft. Large daisy-like flowers, valuable for cutting, white. Plants per 100, **$10.00**	.10	.15
5086	**Latisquama.** Delicate pink. Plants per 100, **$12.00**	.10	.15

BUPHTHALMIUM (Ox Eye).

Useful border plants for cutting. Very easily grown.

5087	**Cordifolium.** 4 ft. July. Large yellow flowers on long stems	.10	..
5088	**Salicifolium.** 1 ft. August. Neat bushy plant, covered with yellow flowers	.10	..

CAMPANULA (Bell Flower).

Bell-shaped flowers, well known and most easily grown; equally useful for flower border, shrubbery or wild garden.

5090	**Carpatica (Harebell).** 9 in. July. Pretty dwarf blue. Per 100, **$10.00**	.05	.15
5091	**Alba.** 9 in. July. Pure white. Plants per 100, **$10.00**	.05	.15
5092	**Calycanthema (Cup and Saucer).** 2 ft. June to Aug. **Mixed**	.05	.15
5093	**White,** (5094) **Pink,** or (5095) **Blue.** Plants per 100, **$10.00.** Each	.05	.15
5096	**Striped**	.05	..

Prices for three and twelve plants of a kind are given on page 87.

Perennial Flower Seeds and Plants

		Per Pkt.	Per Plant
	CAMPANULA—Continued		
5097	**Crystallocalyx.** August. Medium bell shaped blue flowers in fine spikes	.05	..
5098	**Glomerata Dahurica.** 1½ ft. June-July. A fine plant, far too little grown. Crowded heads of rich dark purple flowers	.10	..
5099	**Grandis.** 2 ft. June. Fines spikes of violet blue	.10	..
5100	**Lactiflora Alba.** 3-4 ft. Very large heads, pure white bells	.10	..
5101	**Coerulea.** Dwarf in habit, rich blue	.10	.20
5102	**Latifolia (Macrantha).** 3 ft. Erect stems, large pendulous bells, rich violet blue	.10	.20
5103	**Longistyla.** 2 ft. Branching spikes of drooping violet flowers	.10	..
	Medium (Canterbury Bell). 2 ft. 5104 **Single White**		
5105	**Single Blue.** 5106 **Single Pink.** Plants per 100, **$10.00.** Each	.05	.15
5107	**Single Striped**	.05	..
5108	**Single Mixed.** ⅛ oz. **10c.**	.05	.15
5109	**Double Mixed.** ⅛ oz. **10c.**	.05	..
5110	**Mirabilis** (Species). Branching spikes of clear mauve flowers	.10	..
5111	**Persicifolia (Peach Bells).** 2 ft. Blue	.10	.15
5112	**Alba.** White	.10	.15
5113	**Pyramidalis (Chimney bell flower).** 5-6 ft. Blue. Per 100, **$12.00**	.10	.20
5114	**Alba.** White	.10	.20
	Moerheimi. Large open white semi-double flowers	..	.25
5115	**Trachelium (Nettle-leaved Campanula).** 2 ft. Blue. Per 100, **$10.00**	..	.15
5116	**Alba.** White. Plants per 100, **$10.00**	.10	.15

CAMPANULA (Canterbury Bell)

CANDYTUFT—See Iberis

CANTERBURY BELL—See Campanula Medium

CARNATION (Hardy).
Old fashioned flowers, valuable for border decoration and cutting.

		Per Pkt.	Per Plant
5120	**Grenadin.** Fine scarlet	.10	..
5121	**Grenadin,** White	.10	..
5122	**Vienna Dwarf Mixed**	.10	..
5123	**Double Mixed**	.10	..
5124	**Extra Choice Mixed**	.10	..
5125*	**CASSIA Marylandica (American Senna).** 2½ ft. A hardy plant of shrubby growth with panicles of yellow pea-shaped blossoms. 100, **$10.00**	.10	15.
5126	**CATANANCHE Coerulea.** 3 ft. June-Sept. Fine blue flower	.10	..
5127	**Bicolor.** Blue and white	.10	..
	CENTAUREA (Hardheads, Knapweed). July-August. Good plants for the flower border or wild garden, with thistle-like flowers.		
5128	**Candidissima.** 10 in. Silvery foliage. Useful for bedding	.10	..
5129	**Clementei.** New robus species with silvery foilage	.10	..
5130	**Macrocephala (Great Knapweed).** 4 ft. Large heads of golden yellow flowers, useful for cutting	.10	..
5132	**Montana Alba.** 2 ft. White, very showy	.10	..
5133	**Mixed**	.10	.15
5134	**Pulcherrima.** 3 ft. Rosy pink flowers in great abundance	.15	.25
5135	**Ruthenica.** 4 ft. Elegant straw-colored flowers	.10	.15
5136	**CEPHALARIA Alpina.** 3-4 ft. Pretty yellow flowers for Herbaceous Border	.10	..
5137	**CERASTIUM Tomentosum (Snow in Summer).** 4 in. Silvery white foliage, covered with snow white flowers in early summer	.10	.15

COREOPSIS. (See next page.)

		Per Pkt.	Per Plant
5138	**CHELONE Barbata Torreyi.** 3 ft. July, Aug. Long coral red spikes	.10	.15
5139	**Hybrida Mixed**	.10	..
5140	**Lyoni.** 2 ft. Freely covered with rosy purple flowers	.10	
5141	**CHEIRANTHUS Allioni.** 1 ft. Fine rock or border plant with brilliant orange flowers	.10	..
5143	**CHIVES.** Used for seasoning. ½ oz. **30c**	.10	.10
5145	**CHRYSANTHEMUM Maximum (Moonpenny Daisy).** 2-3 ft. Hardy white daisy, excellent for cutting, ¼ oz. **15c**	.05	.15
	Arcticum. June-Sept. Large white flowers	..	.20
5146	**King Edward VII.** 2½ ft. Very large white flowers on stout stems	.15	.20
	Larsoni (New). 2 ft. Large white flowers	..	.20
5147	**Market Favorite.** Produces an enormous number of well formed, pure white flowers, evenly distributed and flowering at one time	.15	.20
5148	**Mrs. C. Lothian Bell.** The largest of the maximum hybrids	.15	.20
	CIMICIFUGA (Snake Root). Aug.-Oct. Valuable plants for the border by reason of their lateflowering, beginning in September and continuing in flower throughout October.		
	Americana. 4 ft. Long spikes of white flowers	..	.25
	Dahurica. 4 ft. Feathery spikes, much branched, elegant and distinct	..	.35
	Simplex. 3 ft. Fern-like foliage, with pure white arching flowerspikes	..	.50
	CLEMATIS (Harbaceous). Summer flowering.		
	Recta. 4 ft. Erect growing, forming quite a cloud of white flowers	..	.25
	Recta fl., plena. 4 ft. Dense corymbs of creamy double flowers, rare	..	.50
5150	**Paniculata** (Climbing.) 15 ft. Fall-flowering vine with white flowers, 2 yr.	.10	.25
5151	**Large Flowering Mixed.** Beautiful flowers, blue, white and purple. **(For other Clematis, see Climbing Vines.)**	.15	..
5152	**CONVOLVULUS Althaeoides Floribundus.** A hardy Morning Glory. The leaves are whitish, flowers rosy pink. The vines are covered all summer with a mass of pink bells	.05	..

CENTAUREA (Knapweed)

We supply 25 and 50 plants at the 100 rate.

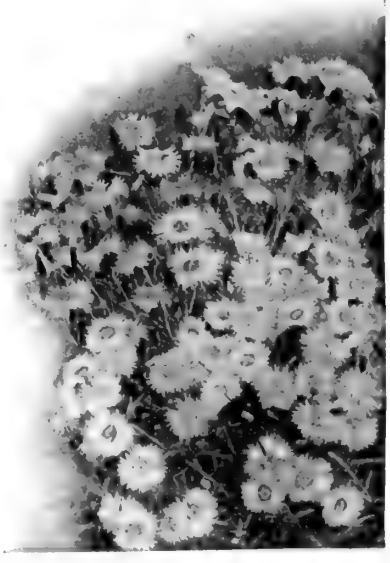
Perennial Flower Seeds and Plants

DAISY—Shasta

		Per Pkt.	Per Plant
5153	**COREOPSIS (Tickseed).** June to October. **Lanceolata.** 2 ft. Large orange-yellow flowers, much prized for cutting, ¼ oz. **20c**	.10	.15
5154	**Grandiflora Eldorado.** Large flowers, brilliant orange yellow	.10	..
	Rosea. 12 in. Beautiful pale rose	..	.15
5156	**CRUCIANELLA Stylosa Coccinea.** 6 in. Dwarf rampant carpeting plant, grows anywhere. Flowers bright crimson	.10	..
	DAISY (English). See Bellis.		
5157	**DAISY, Shasta.** (Ox-eye Daisy.) 2 ft. Gives a wonderful show of large white flowers. Fine for cutting, ⅛ oz. **40c**	.10	.15
	DELPHINIUM (Hardy Larkspur) Few plants are so handsome in the garden as these perennial Larkspurs. There are many species in cultivation but the most important are the tall hybrids of which we hold a large and up-to-date assortment including the very newest.		
	(Species). Flowering from June to August.		
5159	**Cashmerianum.** 15 in. Dwarf habit, rounded terminal spikes of dark blue, hooded flowers	.10	..
5160	**Caucasicum.** 18 in. Magnificent sky blue	.15	..
5161	**Chinense (Chinese).** 2ft. P ure blue in branching dwarf spikes, ⅛ oz. **15c** Plants per 100, **$10.00**	.05	.15
5162	**Album** 2 ft. pure white, ⅛ oz. **15c.** Plants per 100, **$10.00**	.05	.15
	Cineraria, (New). 18 in. True rich blue with very open spike	..	.20
5163	**Elatum Hybridum, Single Mixed.** 3 ft., oz. **40c**	.05	..

DELPHINIUM—Hybrids

		Per Pkt.	Per Plant
5164	**Double Mixed.** 3 ft	.15	..
5165	**Formosum.** 3 ft. Deep blue, white eye, open spike, white eye. ¼ oz. **25c** Plants per 100, **$10.00**	.10	.15
5166	**Coelestinum,** charming pale blue. Plants per 100, **$12.00**	.10	.15
5168	**Giganteum,** deep blue, large flowers, fine	.25	..
5169	**Nudicaule.** 1 ft. Dwarf brilliant scarlet flowers	.20	..
5170	**Sibiricum Hybridum.** 1½ ft. Fine blue shades	.10	..
5171	**Zalil.** 3 ft. Clear sulphur yellow flowers, light graceful habit	.25	..
	(Named Hybrids). Flowering from June to August.		
	Amos Perry. 4 ft. Bright blue, center mauve with brown eye, distinct	..	.60
	Belladonna 2 ft. Loose spikes of clear azure blue. Plants per 100, **$15.00**	..	.25
	Belladonna Semi-plena. 2 ft. (New.) Clear bright blue, dwarf branching habit, splendid for cutting	..	.50
5172	**Belladonna Hybrids, Mixed,** colors all shades, from pale to deep blue	.25	..
	Capri (New). 5 ft. Single sky-blue flowers, borne on stems 5 ft. long, with numerous side sprays over 2½ ft. in length	..	50
	Carmen (New). 5 to 6 ft. Flowers gentian blue nearly 2 inches across, with rosy purple center and dark eye. Immense spikes	..	.60
	Corry. (New.) 5 ft. Large circular flowers of bright blue with white eye. Flowers are full and very double. Large spikes	..	.75
	Duke of Connaught. (New.) 4 ft. Distinct large blue flowers, flushed crimson purple, white eye	..	.60
5173	**Indigo.** (New.) 4 ft. Pure indigo blue, comes true from seed	.25	..
	J. S. Brunton. 3-4 ft. Beautiful sky blue, very full spike	..	.50
	Julia. 5 ft. Clear rich gentian blue with white central florets, fine spike	..	.75
	Lamartine. (New.) 4 ft. Single dark blue flowers with white center; free branching habit	..	.60
	Lize. 5 ft. Producing tall well-branched spikes of beautiful sky blue flowers, white eye	..	.50
	Moerheimi. (New.) The purest and best white Delphinium. A continuous bloomer valuable for cutting	..	.50
	Mrs. Thompson. Clear distinct gentian blue flowers on erect spikes	..	.35
	Persimmon. An improved "Belladonna." Color. better and brighter. Vigorous branching habit	..	.50
5175	**Rev. E. Lascelles.** (New.) Very conspicuous rich blue, semi-double. One of the best. (We offer seed only)	.25	..
	Theodora. (New). 4 ft. Beautiful shade of cornflower blue, large spikes	..	.50
	Zuster Lugten. (New.) 4 ft. Rich deep blue large spikes	..	.50
5176	**Gold Medal Hybrids.** Contains all the light and dark shades of some of the best varieties. Excellent in borders. Plants per 100, **$15.00**	.25	.25
5177	**Vaughan's Mixed Hybrids.** Contains a splendid assortment of both rich and delicate shades, the seed being saved from specially selected plants. Many new colors figure in this mixture. Plants per 100, **$10.00**	.25	.15
	DIANTHUS (Hardy Garden Pinks). Charming summer flowering border plants, more or less fragrant; should be planted in full sun or open situation, adding lime or old mortar rubble to the soil at time of planting.		
	Plumarius Abbotsford. 12 in. Compact; pink flowers with dark center	..	.20
	Countess Knut. 15 in. New. Very large bright apricot flowers	..	.25
5178	**Cyclops (Clove Pink).** An exquisite mixture of colors. ⅛ oz. **20c.**	.10	.15
5180	**Deltoides.** 9 in. Masses of small deep rose flowers, neat creeping habit	.10	..
5181	**Diadematus.** 12 in. White, pink and crimson flowers in great masses	.10	.15
5182	**Diamond.** 12 in. White, very early	.10	.15
	Gloriosa. New. 15 in. Rich lilac mauve	..	.25
	Her Majesty. 12 in. Pure white, fine	..	.15



DIANTHUS (Hardy Pink)

Annual Flower Seeds are offered in separate list pages 59 to 86.

Perennial Flower Seeds and Plants

DIANTHUS (Sweet William)

DIANTHUS (Hardy Garden Pinks)—Continued

		Per Pkt.	Per Plant
	Latifolius Atro-coccineus Plenus. 15 in. Double fiery crimson	..	.15
	Multiflorus Napoleon III. 12 in. Double blood-crimson flowers, often flowers itself to death. The best of all hardy pinks. Per 100, **$10.00**	..	.20
5183	**Neglectus (Glacier Pink.)** 4 in. Firm cushions of brilliant rose flowers	.10	..
	New Double Pink. 15 in. Very early, fine pink	..	.20
5184	**Perfection.** 15 in. Double white, crimson center	.10	.15
	Queen Louise. Fine double white. Plants per 100, **$12.00**	..	.20
5186	**Nanus Fl., Pl.** Early flowering clove pink, double flowers produced in great profusion	.15	..
5187	**Albus Plenus.** 12 in. Fine double white	.15	..
5188	**Semperflorens.** 15 in. Single and Double, flowers all spring and summer. Mixed colors	.10	.15
5189	VAUGHAN'S SPECIAL **Single Mixed.** Delicately fringed flowers. ¼ oz. **10c.** 100, **$10.00**	.05	.15
5190	**Double Mixed.** Fine for cutting. ¼ oz. **20c.** Plants 100, **$10.00**	.10	.15
5191	**Vaughan's Special Mixture.** A grand selection of clove pinks.	.15	..

DIANTHUS BARBATUS (Sweet William). 18 in. to 24 in.

The varities offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks well in solid beds or masses and requires a good, rich, well manured soil to grow them to perfection, excellent border plants and fine cut flowers.

DIGITALIS (Foxglove)

Single Varieties:

		Per Pkt.	Per Plant
5192	**Carmine Beauty.** A charming and distinct color, midway between Pink Beauty and Scarlet Beauty	.15	.15
5193	**Copper Red.** A new and rich color. Attractive for cut flowers	.15	.15
5194	**Diadematus.** One of the prettiest, flowers rose, spotted and sprinkled with white	.10	.15
5195	**Johnson's Giants.** The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive	.15	.15
	Newport Pink. Salmon rose, strikingly brilliant and beautiful	..	.15
5196	**Nigrescens.** Flowers almost black	.10	.15
5197	**Salmon.** A new and very pleasing shade	.10	.15
5198	**Sutton's Scarlet.** A vivid scarlet color; very striking	.15	.15
5199	**Albus.** Single white	.05	.15
5200	**Atrosanguineus.** Single blood red	.05	..
5201	**Roseus (Pink Beauty).** Single pink	.05	.15
5202	**Single Mixed.** ¼ oz. **15c.**	.05	..
5203	**Single Giant-Flowered Mixed**	.10	.15
5204	VAUGHAN'S SPECIAL **Vaughan's Special Mixture.** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. If you plant but one perennial, plant this	.25	.15

Any of the above, per 100 plants, $10.00

Double Varieties:

5205	**White.**	5206	**Rose.** Each	.05	..
5207	**Blood Red.**	5208	**Mixed.** ¼ oz. **20c.** Each	.05	.15
5209	**Double Giant-Flowered Mixed**			.10	.15
	Dunetti Atrosanguinea Plena. Blood red, double			..	.15

DICTAMNUS (Gas Plant).

		Per Pkt.	Per Plant
5210	**Caucasicus.** 3 ft. Flowers pink, a strong growing variety	.15	.25
5211	**Fraxinella.** 3 ft. An old and beautiful plant with ash-like foliage and large spikes of deep pink, purple veined flowers, excellent for cutting. Per oz. **25c.** Plants per 100, **$10.00**	.05	.15
5212	**Albus.** 3 ft. Spikes of attractive pure white sweet scented flowers. Per oz. **25c.** Plants per 100, **$10.00**	.05	.15
	***DIELYTRA Spectabilis (Bleeding Heart).** 2 ft. A graceful plant with green fine cut foliage, and pendulous sprays of pink heart shaped flowers, pink tipped white. Plants per 100, **$12.00**	..	**.15**

DIGITALIS (Foxglove).

3 to 5 ft. Stately old garden favorites for garden and shrubbery borders, and naturalizing in suitable places.

Gloxiniaeflora. Flowers shaped and spotted like a gloxinia.

5213	**White.**	5214	**Pink**	.10	.15
5215	**Purple.**	5216	**Red**	.10	.15
5217	**Mixed Colors.** ⅛ oz. **15c**			.05	.15
5218	**Grandiflora.** Bright yellow, distinct			.05	.15
	Lanata. 3 ft. Creamy white			..	.15
5220	**Maculata Iveryana.** Splendid spotted strain, mixed colors			.05	.15
5221	**Monstrosa Mixed.** Long spikes surmounted by one enormous flower.			.10	..
	New Spotted. Large flowers, exquisitely marked			..	.20
5222	**Purpurea Mixed.** Many colors. ½ oz. **15c.**			.05	..
5223	**DODECATHEON Meadia. (American Cowslip: Shooting Star)** 9 ins. Native hardy perennial, producing quantities of Cyclamen-like, rose-colored flowers			.10	..

DIELYTRA (Bleeding Heart)

Annual Flower Seeds are offered in separate list, pages 59 to 86.

Perennial Flower Seeds and Plants

ECHINOPS (Globe Thistle)

ECHINACEA (Coneflower.) 4 ft. — Per Pkt. — Per Plant

5224 **Hybrida.** Flowers of various shapes, produced in a wide range of colors. .15 ..

5225 **Purpurea.** A very handsome border plant bearing large heads of rosy purple flowers, and dark central disc. (Synonymous with Rudbeckia Purpurea) .10 .15

ECHINOPS (Globe Thistle.)

Handsome strong-growing plants, with thistle like leaves and globe shaped bristley flowers.

5226 **Ritro.** 3 ft. Fine blue flower heads .10 .20

5227 **Sphaerocephalus.** 4 ft. Grayish white flowers on stout stems .10 .20

5228 **EDELWEISS (Leontopodium Alpinum).** 8 in. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver white and star-shaped. Succeeds in almost any not too rich soil with full exposure to the sun .10 ..

EREMURUS.

May-June. A noble group of plants, and quite hardy. When established they throw up magnificent flower spikes from 6 to10 ft. high, each carrying some hundreds of flowers, arranged symmetrically around the stem; they should not be disturbed, but planted for permanent effect.

Himalaicus. 6 ft. Snow white flowers in dense spikes .. .75

Robustus. 8-10 ft. Tapering spikes of peach pink flowers .. .75

ERIANTHUS.—See Grasses.

ERIGERON.

Valuable summer flowering border plants with elegant aster-like flowers.

5230 **Aurantiacus (Orange Daisy).** 1 ft. Rich orange-red flowers .10 ..

5231 **Grandiflorus Elatior.** 18 in. Bluish-lilac flowers, with bright yellow discs .10 ..

ERYNGIUM. (Sea Holly).

July-Sept. Handsome ornamental plants for flower and shrubbery borders. — Per Pkt. — Per Plant

5232 **Alpinum.** 3 ft. Shining bright green leaves, large light blue flowers .10 .15

5233 **Amethystinum.** 3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst blue thistle-like flowers .10 .15

Oliveranium. 3 ft. Stems and flower bracts glistening amethyst blue .. .20

5234 **Planum.** 3 ft. Small light blue globular flowers; graceful decorative plant. Plants per 100, **$10.00** .10 .15

5235 **ERYSIMUM Pulchellum.** 6 ins. May-June. Forms large mats of bright green foliage, covered with bright yellow flowers; useful border plant .10 ..

EULALIA.—See Grasses.

EUPATORIUM (Thorough Wort)

5236 **Ageratoides.** 2 ft. Pure white ageratum-like flowers, 1 oz. 60c. Per 100, **$10.00** .10 .15

5237 **Coelestinum (Mill Flower).** 2 ft. Sept. Heliotrope flowers, very useful for borders. Plants per 100, **$12.00** .10 .15

5238 **Fraseri.** 18 in. Pure white. Plants per 100, **$10.00** .10 .15

FERNS.

Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing a woodlawn they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage, and plenty of water during dry periods.

Adiantum Pedatum (Maidenhair Fern). One of the daintiest and prettiest, grows about 1 foot high .. .20

Asplenium Angustifolium (Spleenwort). A fine tall fern reaching 3 feet in good moist rich soil .. .20

EREMURUS

HARDY FERNS

— Per Pkt. — Per Plant

Asplenium Felix-Foemina (Lady Fern). Fine delicate fronds 1 to 3 feet in height, very hardy, will grow in the sun if soil is kept moist....

Aspidium Acrostichoides (Christmas Fern). An evergreen species, about 1 foot high, with deep green fronds....

Aspidium Cristatum. This species grows from 1 to 2 feet, in wet, swampy places, with fronds about 3 inches wide....

Aspidium Goldianum. 4 ft. One of the finest Aspidiums....

Aspidium Marginale. Fronds 1 to 2 feet in length, 3 to 5 inches wide.

Aspidium Spinulosum (Wood Fern). A very pretty evergreen species about 15 inches high, with finely bisected fronds .. .20

Aspidium Thelypteris. Very variable, fronds are about 2 feet high and the pinnae long and narrow....

Onoclea Sensibilis (Sensitive Fern). 1-2 ft. Wet places, open or shade

Onoclea Struthiopteris (Ostrich Fern). One of the most stately and best for cultivation; sometimes 4 feet high with handsome dark green fronds forming the outline of a vase....

Osmunda Claytoniana. A good fern for the shady corner, 7 to 12 inches wide, broader than long....

5239 **Hardy Ferns Mixed** .10 .20

Any of the above plants, per 100, $15.00.

FORGET-ME-NOT.—See Myosotis.

FUNKIA (Day Lily).

These handsome hardy herbaceous plants develop their ornamental foliage early in **spring**, and in **summer** and **autumn** throw up a profusion of Lily-like flower spikes. All are grand plants for the flower border or permanent edgings, especially on shady borders. They develop their foliage to greater size, if grown in partial shade.

Cucullata Medio Picta. 4 ft. Aug. Rich purple flowers. Per 100, **$12.00**. .. .20

Fortunei. 12 in. Aug. Glaucous blue foliage, flowers pale mauve .. .25

Large clumps can be had of all varieties marked thus * at a 50 per cent increase in price.

Perennial Flower Seeds and Plants

GAILLARDIA

FUNKIA (Day Lily)—Continued

		Per Pkt.	Per Plant
	*Lanceolata. 12 in. Sept. Pale lilac flowers. Per 100, $10.00	..	.15
	Subcordata Grandiflora Alba (Corfu Lily). 18 in. Large spikes of snow white fragrant flowers. Plants per 100, $10 00	..	.15
	Thomas Hogg. 12 in. With large foliage elegantly margined white	..	.25
	Undulata Medio Variegata. 12 in. Silvery white, lined green. A very ornamental foliage plant. Plants per 100, $10.00	..	.15

GAILLARDIA (Blanket Flower).

June to October, 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.

5240	Grandiflora Mixed, ¼ oz. 30c. Plants per 100, $10.00	.10	.15
5241	Copper Red. Yellow, with large red center	.10	..
5242	Semiplena. Double row of petals, yellow with red center	.10	..
5243	Compacta. A compact variety bearing its varied colored flowers well above the foliage	.10	..
	Friendship. Flowers yellow with red central disc, long stems, fine for cutting. Plants per 100, $15.00	..	.25
5244	New Hybrids. Very large flowers, in a great variety of colors	.25	.15
	Lady Rolleston. Beautiful pure yellow, large flower, a great favorite	..	.35
	Masterpiece. Large crimson center, with yellow edge, fine large flowers	..	.25
5245	Maxima Kermesina Splendens. Center crimson, with canary yellow border. Plants per 100, $10.00	.10	.15
5246	Sulphurea Oculata. Pale yellow, with maroon eye. Per 100, $12.00.	.10	.20
5247	Sibylla. Bright carmine red, tipped yellow	.10	..

FUNKIA (Day Lily)

GENTIANA.

Beautiful hardy border and rock plants, with shades of blue surpassing those found in any other family of plants.

		Per Pkt	Per Plant
5248	Acaulis. (4 in.) Large bell shaped, deep blue flowers; spring blooming	.10	..
	Clusii (Closed Gentian). 12 in. Rich blue flowers, borne freely	..	.15
5249	Lutea (Yellow Gentian). 4 ft. July. Whorls of giant yellow flowers	.10	..

GERANIUM (Crane's Bill).

Good summer-flowering border plants and the dwarfer kinds make excellent pot plants. All are very hardy and thrive in any garden soil.

	Grandiflorum. 1 ft. Handsome violet blue flowers with a satiny lustre.	..	.15
5250	Sanguineum. 9 in. Large deep crimson-purple flowers	.10	.15
	Album. 9 in. Flowers pure white. Fine for edging	..	.15
5251	GEUM Coccineum Plenum (Avens). 1½ ft. Flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer.	.10	..
5252	Heldreichi. Beautiful orange flowers produced throughout summer	.10	..
2553	GLADIOLUS Gandavensis and Childsii. Gladiolus is, contrary to general opinion, easily raised from seed, and if planted early will make good growth the first year. In this we offer the cream of a specialist's collection, and many good varieties may be expected	.10	..

GOLDEN ROD—See Solidago.

GRASSES (Ornamental). For foliage only.

Ornamental Grasses can be used with telling effects in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn.

5254	Arundo Donax (Giant Reed). 10-15 ft. Noble plant like a gigantic maize	.05	..
5255	Erianthus Ravennae (Pampas). 10 ft. Grand plumes	.05	.25
	Eulalia Gracillima Univittata. 4-5 ft. Arching narrow green foliage	..	.25
5256	Eulalia Japonica Zebrina (Zebra Grass). 5 ft. Green foliage with distinct horizontal golden bands	.10	.25
5257	Variegata (Japan Rush). 4 ft. The best of the variegated kinds	.10	.25
5258	Gynerium Argenteum (Pampas Grass). 8 ft. free flowering with pure white plumes	.05	..
	Phalaris Arundinacea Variegata (Gardener's Garters). 2 ft. Variegated ribbon-grass, fine for cutting. Plants per 100, $8.00	..	.15
5260	Stipa Pennata (Feather Grass). 2 ft. Compact hair-like foliage, graceful feathery plumes	.10	..

GYPSOPHILA.

Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting.

5262	Paniculata (Baby's Breath). 2 ft. July-Aug. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Per 100, $10.00	.05	.15
5263	Flore Pleno. Minute double white flowers, new, and highly decorative. Plants per 100, $15.00	.25	.25
	Repens Monstrosa. 1 ft. Highly decorative white flowers all summer. Plants per 100, $12.00	..	.20

HELENIUM (Sneezewort).

Delightful perennials allied to the **Helianthus** (Sunflower).

5264	Autumnale Superbum. 5 ft. Large clear light yellow flowers in Sept. Plants per 100, $10.00	.10	.15
5265	Riverton Beauty. 4 ft. Lemon yellow with black disc	.10	.25
5266	Riverton Gem. 4 ft. Rich crimson-brown and old gold. Per 100, $15.00	.10	.25
	Rubrum. 5 ft. The deepest red sort. Plants per 100, $10.00	..	.15
5267	Bigelowii. 2 ft. Large rich yellow flowers	.10	..
5268	Hoopesii. 2 ft. May-July. Rich orange yellow	.10	.15

GYPSOPHILA PANICULATA

Prices for 3 and 12 plants of a kind are given on page 87.

Perennial Flower Seeds and Plants

		Per Pkt.	Per Plant
	HELIANTHUS (Hardy Sunflower). Producing a grand effect planted in garden beds or borders, or in the woodlands or wild garden.		
	Divaricatus. 3 ft. Aug.-Oct. Large single flowers. Plants per 100, **$10.00**	..	.15
5270	**Maximilianus.** 7 ft. Aug.-Oct. Golden yellow, small flowers	.10	..
	Multiflorus Plenus. 6-8 ft. Double yellow flowers, useful for cutting	..	.15
	Rigidus, Miss Mellish. 7 ft. Fine large single yellow flowers, valuable for cutting. Plants per 100, **$10.00**	..	.15
	Sparsifolius. 7 ft. Sept. Large yellow single flowers. Per 100, **$10.00**	..	.15
5272	**Hardy Mixed Hybrids.** Great value for cutting	.25	..
5273	**HELIOPSIS Pitcherianus.** 5 ft. Aug.-Oct. Yellow semidouble flowers.	.10	..
5274	**Scabra Zinniaeflora.** 2½ ft. Bright yellow Zinnia-like double flowers	.10	.25
	HELLEBORUS Niger (Christmas Rose). 8-12 in. Flowers white, faintly tinged rose. If grown in partial shade they will flower at Christmas, or earlier, flowers turning pure white. Plants per 100, **$15.00**	..	.25
	HEMEROCALLIS (Yellow Day Lily). The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.		
	Aurantiaca. Orange yellow	..	.25
	*Aureole. Orange with ruddy reverse	..	.35
	Citrina. Pale citron-yellow flowers	..	.35
	Dr. Regel. Broad-petalled rich orange flowers	..	.30

	HIBISCUS (Mallow Marvel)	Per Pkt.	Per Plant
	*Dumortieri. Rich orange inside, brownish on outside. Per 100, **$8.00**	..	.15
	*Flava. Pleasing pale yellow Plants per 100, **$8.00**	..	.15
	*Florham. Fine rich golden yellow. Plants per 100, **$15.00**	..	.25
	*Fulva. Showy coppery red. Plants per 100, **$10.00**	..	.15
	*Kwanso fl. pl. Beautiful double orange flowers. Per 100, **$8.00**	..	.15
	*Sovereign. Clear yellow, outside shaded chocolate. Per 100, **$15.00**	..	.25
	HESPERIS Matronalis (Sweet Rocket). 2 ft.		
5276	**Purpurea.** Purple. 5877 **Alba.** White, each	.05	..
	HEUCHERA (Alum Root). 2 ft.		
5278	**Brizoides Gracillima.** Graceful stems of rosy crimson flowers	.10	.20
	Flambeau. Long spikes of rose flowers, very free flowering	..	.25
	Pluie de Feu. Brilliant fiery scarlet	..	.25
5279	**Sanguinea.** Long stems of large crimson-scarlet flowers	.10	.25
5280	**Splendens.** Vivid coral-scarlet, fine free flowering variety	.10	..
	Walker's Variety (New). An improvement on "Splendens," large flowers	..	.35
	HIBISCUS (Rose Mallows). 3 to 5 ft. July to Sept. Noble shrub-like plants, with handsome green foliage, and bearing throughout summer large bright flowers, varying from 3 to 5 inches in diameter. They are very hardy, and suitable for garden effect, and indoor use when cut.		
5281	*Crimson Eye. Creamy white flowers, with large crimson center. 100, **$10.00**	.05	.15
5282	**Golden Bowl.** Deep cream, with a velvety maroon center	.10	..
5283	**Moscheutos (Rose Mallow).** Very showy pink flowers	.10	.15
	*Mallow Marvels. White, Pink or Red. Plants per 100, **$20.00**	..	.30
5284	**Militaris.** 2 ft. Large pink and carmine flowers	.10	..
5285	**Mixed.** Plants per 100, **$15.00**	.10	.25
	HOLLYHOCK. 6-8 ft. Aug.-Sept. One of the best hardy garden flowers. Makes a charming hedge or background. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy for it, but a great deal can be done towards preventing it and reducing the damage by spraying the plants with Bordeaux Mixture.		

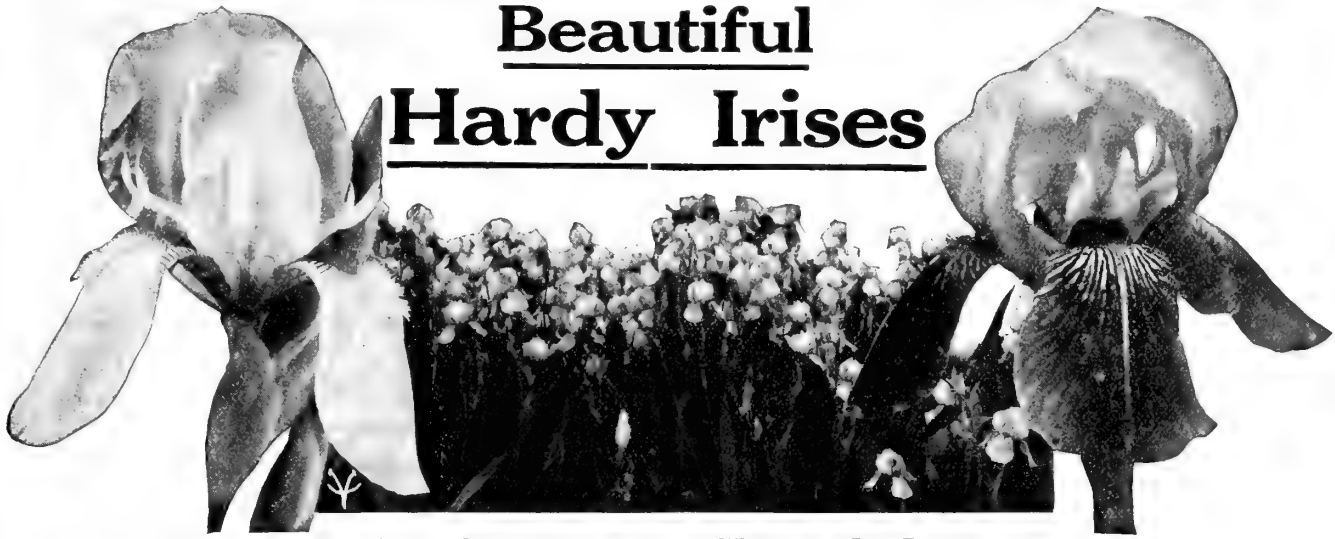
HEMEROCALLIS

HOLLYHOCK

							Per Pkt.	Per Plant
	Double Varieties—					Per ½ oz. 30c. Per 100 Plants, $12.00		
5286	**White**	5288	**Rose**	5290	**Salmon**		.10	.20
5287	**Pink**	5289	**Black**	5291	**Yellow**			
5292	**Crimson**						.10	..
5293	**Blood Red.** 5894 **White** with rose base. 5895 **White** with purple base						.10	..
5296	**Double Mixed Colors.** Plants per 100, **$10.00.** ¼-oz. **25c**						.05	.15
5297	**Allegheny Mixed.** Semi-double and single flowers						..	.15
5298	**Vaughan's Prize Mixture.** Finest shades in perfect flowers						.10	..
	VAUGHAN'S SPECIAL	**Single Varieties—**						
5299	**Red.**		5300 **Pink.**		5301 **Yellow.** Each		.10	..
5302	**Mixed.** ½-oz. **20c.** Plants per 100, **$10.00**						.05	.15
	IBERIS (Perennial Candytuft). 6-10 in. Dwarf evergreen plants covered with blooms in spring and early summer. Excellent for rockeries or edging borders.							
5303	**Gibraltarica.** Pinkish white, compact bushy habit. Plants per 100, **$10.00**						.10	.15
	Little Gem. Pure white, very dwarf						..	.15
5304	**Sempervirens.** Flowers form a sheet of whiteness, dwarf and compact. Plants per 100, **$10.00**						.10	.15
5305	**INCARVILLEA Delavayi (Hardy Gloxinia).** 2 ft. June. A new gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation						.10	.20
5306	**Grandiflora.** 1 ft. Dwarf crimson flowers with white and yellow throat.						.10	.25
5307	**INULA Grandiflora (Flea Bane).** 18 in. June-July. Large, handsome, daisy-like golden yellow flowers. Fine for cutting						.10	.25
5308	**Ensifolia.** 9 in. Neat, bearing large golden yellow flowers. 100, **$10.00**						.10	.15
5309	**IRIS Kaempferi.** The beautiful Japanese Iris—seed is of slow germination. (See Iris. Page 98)						.10	..

Annual Flower Seeds are Offered in Separate List, Pages 59 to 86.

Beautiful Hardy Irises



MME. CHEREAU

Iris Germanica—Fleur de Lis

KING OF IRIS

GERMAN Iris are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the 'Standards' and veined in the 'Falls', while the beards range from delicate primrose to orange. **Their beauty** at first sight **rivals that of the Orchid,** but on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. In colors there are the **richest yellows,** the **most intense purples and delicate blues,** the **softest mauves** and very beautiful **claret-reds.** There are also **whites,** and **primroses,** and **bronzes** of every imaginable shade—indeed, language fails us in picturing all the beauties of this flower, and our descriptions, in consequence, fall far short of the reality. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks, and wild garden should do so. If planted around ponds or lakes they should be placed well above the water level.

"S" refers to the three standard, or upright curling petals; "F" to three falls or drooping petals.

PRICES: (Except where noted) Each 15c; doz., $1.50; 100, $8.00; 1,000, $75.00.

Archeveque. (Archbishop.) (New.) "F" Deep velvety-violet; "S" Deep purple violet; an exquisite Iris; very scarce. **Each 60c.**
Black Prince. "S" Purple lilac; "F" Rich velvety black. **Each, 20c; doz., $2.00.**
Canary Bird. "S" Soft creamy yellow; "F" Pale cream with striped base.
Candelabre. (New.) "S" Silvery mauve and purple; "F" Violet, with white and black veins. Late. A grand Iris. **Each 60c; dozen, $6.00.**
Candicans. Mid-season and medium size of growth; very little incurved and of the clearest pale blue; freely veined with splashes of pure white. Very distinct. **Each, 25c; dozen, $2.50.**
Caprice. (New.) "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises. **Each, 50c; dozen, $5.00.**
Celeste. Fine satiny blue. One of the most beautiful German Irises.
Charles Dickens. "S" Blue; "F" Blue, suffused dark purple.
Dorothea. (New.) An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue with orange veinings. Very fine. **Each 50c; dozen, $5.00.**
Dr. Bernice. (New.) "S" Coppery bronze; "F" Velvety crimson. A very handsome Iris. **Each, 25c; dozen, $2.50.**
Ed. Michel. (New.) "S" Fawn yellow; "F" Deep mauve. Large, handsome flowers, distinct in color and size from all others. **Each, 60c.**
Fairy. (New.) White, delicately bordered and suffused soft blue. 2 ft. The sweetest of all. **Each, 25c; dozen, $2.50.**
Gajus. "S" Light clear yellow. "F" Crimson, reticulated white and yellow, clear yellow picotee edge. **Each, 30c; dozen, $3.00.**
Hector. "S" Soft clouded yellow. "F" Velvety crimson; showy; 30 inches.
Heteranth. "S" Bright blue. "F" Deeper blue. Early.
Honorabilis (Sans Souci). A most effective combination. "Standards" golden; "Falls" rich mahogany. Grows about 18 inches.
Jeanne d'Arc. (New.) Flowers large, sepals broad, of a fresh clear lilac. "F" Pure white, bordered lilac. 3 ft. **Each, 75c.**
King of Iris. "S" Lemon yellow. "F" Deep brown and yellow. One of the most beautiful of all Irises. **Each, 30c; dozen, $3.00.**
L'Avenir. A beautiful shade of satin blue. **Each, 25c; dozen, $2.50.**
Lord Salisbury. "S" Amber white. "F" Dark violet purple.
Loreley. Very fine. "S" Light yellow. "F" Ultramarine blue, bordered cream. **Each, 25c; dozen, $2.50.**
Mme. Chereau. One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall.
Mme. de Brabant. "S" Pale lavender. "F" Streaked purple.
Mme. Pacquette. Bright rosy claret, early and beautiful. **Each, 20c; doz., $2.00.**
Mars. "S" Light yellow. "F" Pale yellow with violet blotches and veins.
Monsignor. Tall, arge blossoms borne in profusion. "S" Blush lavender "F" Violet with white pencilings at throat. A truly magnificent specimen. **Each, 60c.**
Mrs. H. Darwin. "S" Clear waxy white. "F" White with violet veins.
Nelly. "S" Soft lavender. "F" White with blue blotches and veins.
Nuee d'Orage. (Stormcloud). (New). Very large flowers of a greyish slate blue with bronze shading. "F" Purplish blue, very fine. **Each, 60c.**
Pallida Dalmatica. One of the most beautiful of all the German Iris. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender. Valuable as a cut-flower. **Each, 20c; dozen, $2.00.**
Pallida Mandraliscae. Rich lavender-purple, large and handsome. **Each, 25c; dozen, $2.50.**
Peacock's Eye. "S" Clear olive yellow. "F" Brownish, shading to a clear yellow border on edges. **Each, 30c; dozen, $3.00.**
Penelope. "S" Pure white. "F" White, veined purple, crested yellow.
Pharaon. Lilac; very fine.
Plicata. "S" Bright violet-purple; "F" Deep violet-purple, with lighter shadings.
Princess Victoria Louise. (New). "S" Immense sulphur yellow. "F" Plum color edged cream, very fine. **Each, 35c.**
Pres. Thiers. "S" Lavender blue. "F" Deeper blue, white pencilings. **Each, 25c; dozen, $2.50.**
Queen of Gypsies. "S" Lavender bronze. "F" Brown, white and purple streaked.
Queen of May. "S" Lilac pink. "F" Lilac, blended with white; distinct. **Each, 20c; dozen, $2.00.**
Rhein Nixe. (New.) "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. **Each, 50c.**
Sambucina. 30 Inch. "S" Coppery rose. "F" Rosy purple with orange crest.
Stenophylla. "S" Pale blue, indistinct stripes. "F" Darker. Tall.
Tamerlane. (New.) "S" Pale violet, "F" Deep purple. A magnificent tall, bold, free-flowering Iris. **Each, $1.00.**
Trautlieb. Lovely uniform soft rose. **Each, 30c; dozen, $3.00.**
Venus. "S" Lemon Yellow, shading to golden yellow towards the base. "F" Deeply veined with purple on a white ground.
Walhalla. Rosy lavender petals above with a delicate claret red below; very distinct sort. **Each, 20c; dozen, $2.00.**

GERMAN IRIS MIXED. Each, 10c; dozen, $1.00 (postpaid); (by express) **per 100, $5.00; per 1000 $45.00.** (25 at 100 rate, 250 at 1000 rate).

A GENUINE BARGAIN. German Iris, 100 roots in 10 named varieties, 10 of each, (our selection), for **$8.00** (by express). Excellent value. Club with your friends and secure this bargain.

Iris Interregna

Resulting from a cross between the Pumila and German Iris, this type has retained the good qualities of both and yet is entirely distinct. It has the strength and vitality of the Pumila as well as the large flower and beautiful colors of the German type. Blooming profusely after the former has faded but earlier than the latter, the Interregna type fills the gap and supplies a perfection of bloom throughout a considerable period, when flowers are greatly prized. The height is intermediate and its freshness of foliage is kept until autumn.

Halfdan. Rich creamy yellow, very fine keeper. **Each, 20c; dozen, $2.00.**
Walhalla. Petals rosy lavender above, delicate claret red below. **Each, 15c; dozen, $1.50; per 100, $8.00.**

Iris Pumila Hybrida

Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea.** Rich royal purple with black shading. **Florida.** Beautiful lemon yellow shaded darker. **Each, 15c; per dozen, $1.25; per 100, $8.00.**

Iris Siberica

Orientalis. (Yale Blue). A slender, graceful, tall-growing Iris, with flowers quite similar to those of the German Iris, but smaller and much more numerous. The plants form large, strong, compact clumps, and bloom so freely that the deep blue flowers give almost a solid color effect. **Each, 15c; dozen, $1.50.**

Snow Queen. Snow-white flowers borne on strong erect stems. **Each, 20c; dozen, $2.00.**

Iris Versicolor

Flowers are very showy light blue, flowering in June and July, remaining in bloom a long time. Thrives in moist locations. **Each, 15c; dozen, $1.25; per 100, $8.00.**

Iris Longipetala Superba

Flowers soft porcelain-blue, with long pale blue falls, having a golden blotch at the base. Fine for massing. **Each, 15c; dozen, $1.25.**

German Irises in their charming shades of color are a valuable addition to any hardy plant border.

JAPANESE IRIS

Perennial Flower Seeds and Plants

JAPAN IRIS (Iris Kaempferi)

A splendid hardy plant of easy growth; delights in constant cool, moist soil. In its native home it flourishes in swamps succeeding admirably by the side of streams, lakes and ponds. Few people are aware of the beauty of this class of Iris which commences blooming about the middle of June and continues for five or six weeks. Many of the flowers measure 8 to 10 inches in diameter, the various shades of color are exquisite.

Double Varieties:

Gold Bound. Pure white, one of the best.
Mahogany. Dark red, shaped maroon.
Mount Hood. Light blue, shaded darker.
Oriole. Deep amaranth, yellow center.
Pyramid. Violet blue, veined white.
Robert Craig. French grey, veined violet.
Victor. White, with violet purple veins.

Single Varieties:

Apollo. Pure white, pink center.
Helen Von Sieboldt. Reddish, veined white, yellow center.
Lavender Queen. Fine lavender blue.
Ondine. White, shaded light blue towards center.
Topaz. Light rose.

Price: Each, **25c;** Doz., **$2.50;** The set of 12 **$2.50.** (Prepaid)

Choice Mixed. Double and single varieties. Ea. **15c.;** doz. **$1.50;** 100 **$12.**

		Per Pkt.	Per Plant
	LATHYRUS Latifolius. (Hardy Pea.)		
5311	**Albus.** 6 ft. Pure white flowers. Plants per 100, **$10.00**	.10	.15
5312	**LATHYRUS. Pink Beauty.** Pale pink variety. Per 100, **$10.00**	.05	.15
	Rubra. Bright rosy crimson. Plants per 100, **$10.00**	..	.15
	White Pearl (new). Large sprays of the purest white flowers	..	.25
5313	**Mixed.** The above colors	.05	..
	LAVENDULA Vera (True Lavender). A much prized, highly perfumed border plant. Per 100, **$10.00**	.10	.15
5314	**LEPACHYS Hybrida Pulcherrima.** Somewhat resembling Rudbeckia; flowers vary from yellow to brown	.10	..
	LEUCANTHEMUM Praecox Perfection (Spring Marguerite). 2 ft. Very similar to Shasta Daisy. Excellent cut flower. Per 100, **$15.00**	..	.15
	LIATRIS Pycnostachya (Blazing Star). 3 ft. Handsome border plant with long rose colored, purple spikes	..	.15
5316	**Spicata (Devil's Bit).** Dense spikes of rosy purple flowers. Per 100, **$10.00**	.10	.15
	LILY OF THE VALLEY. Large clumps for spring planting. Per 100, **$22.50**	..	.30
	LINARIA (Toad Flax). The dwarf varieties make excellent rock plants, while the taller one is a grand border plant.		
5318	**Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange flowers throughout summer; trailing habit	.05	..
5319	**Alba.** 3 in. White with orange lip	.05	..
	Dalmatica. 3-4 ft. June-July. Large showy yellow and orange flowers, fine for cutting. Per 100, **$12.00**	..	.20
	LINUM (Flax).		
5320	**Flavum.** 1 ft. June-July. Bright yellow flowers. Per 100, **$10.00**	.10	.15
5321	**Narbonense.** 18 in. Sky-blue flowers on graceful slender stems	.10	..

LILY OF THE VALLEY.

LOBELIA CARDINALIS.

		Per Pkt.	Per Plant
5322	**LINUM Perenne.** 2 ft. Pearly blue flowers. A graceful hardy perennial	.05	..
	Album. Milk white flowers, very decorative. Per 100, **$10.00**	..	.15
5324	**LOBELIA Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Brilliant fiery scarlet flowers, prefers moist position. Plants per 100, **$10.00**	.05	.15
5325	**Syphilitica.** 2 ft. Dense spikes of tubular rich blue flowers	.15	..
5326	**LUNARIA Biennis. (Honesty or St. Peter's Penny.)** Flowers white, followed by silvery seed pods, prized for winter decoration	.10	..
5327	**Alba.** Pure white	.10	..
	LUPINUS (Lupin). Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.		
	Polyphyllus (Old Fashioned Garden Lupin). 3 ft. Stately spikes of blue flowers all summer	..	.15
5328	**Albus.** Large pure white spikes	.05	.25
5329	**Roseus.** 4 ft. Light and dark rose flowers on long spikes	.10	.30
5330	**Mixed.** Splendid value	.05	..
5331	**Atro Coeruleus.** Deep blue	.05	..
5332	**Arboreus, Snow Queen.** 4 ft. The beautiful white **Tree Lupin,** forms a bush like a flowering shrub	.10	..
5333	**LYCHNIS Chalcedonica (Jerusalem Cross).** 3 ft. June-Aug. Brilliant scarlet in dense flat heads. A grand border plant. Per 100, **$10.00**	.05	.15
5334	**Alba (White Campion).** Flowers white	.10	.15
	Plena. Dense heads of double white flowers	..	.25
	Rubra Plena. 3 ft. Vivid scarlet double flowers, grand border plant	..	.25
5336	**Haageana (Maltese Cross).** 9 in. Brilliant orange scarlet. 100, **$10.00**	.10	.15
5337	**Hybrids.** Mixed colors ranging from nearly white to bright scarlet	.05	..

Prices for 3 and 12 plants of a kind are given on page 87.

Perennial Flower Seeds and Plants

LYCHNIS—Continued

		Per Pkt.	Per Plant
5338	**Sieboldii.** 1 ft. Large flat pure white heads. Per 100, **$10.00**	.10	.15
5339	**Viscaria Splendens (Catch Fly).** 1 ft. Spikes of single rose flowers	.10	.15
	Splendens Plena (Double Catch Fly). 18 ins. Spikes of brilliant rosy crimson flowers, reminding one of a double red stock	..	.20
5340	**Alpina.** 4 in. Clusters of rose colored flowers, dwarf and very pretty	.10	..
	LYSIMACHIA Numullaria (Creeping Jenny). A pretty trailing plant, with golden yellow flowers. Very valuable for baskets and window boxes.	..	.15
5341	**LYTHRUM Roseum Superbum.** 4 ft. Graceful plant with tall erect pink spikes	.10	.15
5342	**MALVA Alcea.** 2 ft. A hardy showy border plant with bright rose flowers from June to October	.10	..
5343	**Moschata (Musk Mallow).** 2 ft. Large pale pink flowers	.10	..
5344	**Alba.** Exquisite snowy-white, fragrant flowers	.10	..
	MERTENSIA Virginica (Blue Bells, Virginian Cowslip). 2 ft. Lovely drooping flower spikes of a rare pale blue color	..	.15
	MICHAELMAS DAISY. See **ASTER (Hardy).**		
	MINT. Old fashioned hardy useful plant	..	.15
	MONARDA (Bergamot, Oswego Tea). Flowers all summer.		
5345	**Didyma.** 3 ft. Terminal heads of rich scarlet flowers, emitting a very pleasant scent. Plants per 100 **$10.00.** 100 seeds	.50	.15

MERTENSIA VIRGINICA

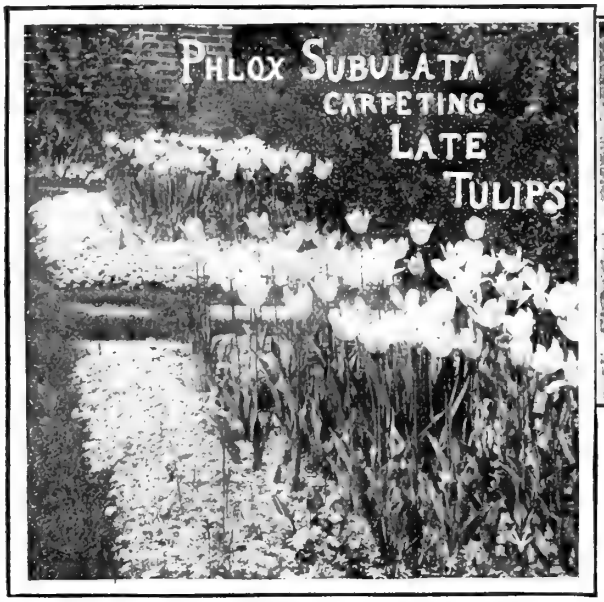
MONARDA DIDYMA

		Per Pkt.	Per Plant
5346	**Hybrida.** Choice assortment in rose, scarlet and crimson shades	.10	.15
	MYOSOTIS (Forget-Me-Not). 4 to 9 in. Well known pretty flowers for borders and beds, their various shades being very effective.		
	Alpestris (Alpine Forget-Me-Not).		
5347	**Indigo Blue.** Lovely deep blue. ⅛ oz. **15c.** Plants per 100 **$8.00**	.05	.15
5348	**Alba.** Pure white. ⅛ oz. **15c**	.05	..
5349	**Rosea.** Pink. ⅛ oz. **15c**	.05	..
5350	**Eliza Fonrobert.** Sky blue, white eye. ⅛ oz. **20c**	.05	..
5351	**Victoria.** Large bright azure blue. Per 100 **$10.00**	.10	.15
5352	**Dissitiflora.** Rich blue, early and compact. One of the best	.10	..
5353	**Palustris.** The true Swamp Forget-Me-Not. Plants per 100, **$8.00**	.10	.15
5354	**Semperflorens.** Dwarf blue, in flower from early spring until autumn	.10	..
5355	**Ruth Fischer.** Rosettes of broad green foliage with large clear pale blue flowers. A great favorite	.25	..
5356	**Star of Love.** Dark green foliage with compact, large dark blue flowers	.25	..
5357	**Sylvatica.** Bright blue, spreading habit	.10	..
5358	**Vaughan's Early and Late Flowering.** Exquisite sky blue flowers, on long stems. Blooms throughout the year	.10	..
	OENOTHERA (Evening Primrose). 2 ft. Showy and beautiful plants for borders, beds, etc., flowering from June to October.		
5360	**Eldorado.** Double golden yellow flowers	.10	..
5361	**Fruticosa Major.** 2½ ft. Almost identical with Fraseri	.10	..
5362	**Lamarckiana.** Enormous yellow flowers. Very free	.10	..
5363	**Fraseri.** Rich golden yellow flowers	.10	..

		Per Pkt.	Per Plant
5364	**Macrocarpa.** 1 ft. Long trailing stems with large yellow flowers. 100 **$10.00**	.10	.15
5365	**Youngii.** Very showy with numerous sprays of deep yellow flowers	.15	.15
5366	**OXALIS Tropaeoloides.** Suitable for rock work, rustic baskets, etc., largely used in parks. Flowers deep yellow, leaves brown. ⅛ oz. **15c**	.05	..
	PACHYSANDRA Terminalis. 4 in. Small whitish flowers in May, which are insignificant, deep green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere. Plants per 100, **$10.00**	..	.15
5367	**PAPAVER Nudicaule (Iceland Poppy).** 15 in. Elegant free flowering plants bearing in abundance **yellow, orange,** and **white** flowers all summer. ⅛ **oz. 20c**	.10	.15
5368	**New Hybrids.** Containing all the charming new colors, which are far in advance of the ordinary Nudicaule	.15	..
	Double Mixed. Very fine	.15	..
5369	**Alpinum Laciniatum (Alpine Poppy).** 6 in. A pretty dwarf poppy of various shades of color	.15	..
	Orientale (Oriental Poppy). 3 ft. For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. Their brilliant flowers produce magnificent effect in shrubberies, and herbacious borders, while for cutting they are invaluable		
5371	**Bracteatum.** 3 ft. A distinct Oriental Poppy with large handsome scarlet flowers. ¼ oz. **15c**	.05	..
5372	**Excelsior.** A wonderful new mixture containing the newer shades introduced recently by hybridizers	.15	..
	Goliath. Vermilion scarlet, immense flowers	..	.25

Poppies continued on Page 102.

PAPAVER NUDICAULE



Vaughan's Hardy Phlox

Phlox Decussata

This is one of the most useful flowers for summer decoration, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in fall may be expected.

The blue, lavender, and orange colored ones should be planted in semi-shade, as the sun is apt to bleach out the colors in a short time.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of the older varieties.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

(1) Early (D) Dwarf
(2) Mid-season (M) Medium
(3) Late (T) Tall

Our prices are for one-year field-grown plants.

At **$1.50 per dozen,** price per **100 is**.....**$10.00**
At **$2.00 per dozen,** price per **100 is**.....**$14.00**
At **$2.50 per dozen,** price per **100 is**.....**$18.00**
} 25 of **any variety** supplied at these rates.

***Antonin Mercie.** (M 2.) A beautiful grayish lilac with white center. **Each, 15c; dozen, $1.50.**
***Athis.** (L 2.) Tall salmon pink. **Each, 15c; dozen, $1.50.**
Aurora. (D 2.) Large trusses of brilliant rose pink. **Each, 20c; dozen, $2.00.**
Baron Von Dedem. (T 2.) Brilliant crange-scarlet with immense trusses and individual flowers. **Each, 20c; dozen, $2.00.**
Beranger. (D 1.) Ground color white, delicately suffused with rosy pink and a distinct amaranth red eye. **Each, 15c; dozen, $1.50.**
Braga. (M 2.) Mauve rose color suffused with salmon, large white eye. **Each, 25c; dozen, $2.50.**
Bridesmaid. (D 2.) Pure white, large crimson-carmine eye. **Ea. 15c; doz. $1.50.**
Clara Benz. (D 2.) Brilliant carmine-rose. **Each, 20c; dozen, $2.00.**
Cocquelicot. (T 2.) A fine orange scarlet with crimson eye. **Each, 15c; dozen, $1.50.**
Crespuscule. (M 2.) Large cherry red center, edged pale violet pink. **Each, 20c; dozen, $2.00.**
Dr. Koenigshoefer. (M 2.) An improved Cocquelicot; very fine intense orange scarlet, with dark blood-red eye. **Each, 20c; dozen, $2.00.**
Eclaireur. (T 3.) Brilliant rosy magenta with lighter halo. **Ea. 15c; doz. $1.50.**
Elizabeth Campbell. (D 2.) New. Bright salmon pink with lighter shadings and dark crimson eye. One of the best. **Each, 25c; dozen, $2.50.**
***Eugene Danzanvillier.** (D 1.) Soft lilac blue with large white center, free and continuous bloomer. **Each, 15c; dozen, $1.50.**
***Flora Hornung.** (D 2.) Milk-white with carmine eye. **Each, 20c; doz., $2.00.**
Frau A. Buchner. (M 2.) Pure white. Undoubtedly the finest white yet raised. Strong habit. **Each, 25c; dozen, $2.50.**
Fraulein Von Lassburg. (T 2.) The purest snow-white in cultivation. Extra fine. **Each, 20c; dozen, $2.00.**
G. A. Strohlein. (M 2.) Glowing orange scarlet with blood-red eye. Immense heads. **Each, 20c; dozen, $2.00.**
***General Von Heutz.** (T 2.) Brilliant salmon red with white center. Very large heads; free bloomer. **Each, 15c; dozen, $1.50.**
Gruppen Koenigin. (M 2.) Flesh with dark eye. Immense heads; very large individual flowers; very free and lasting. **Each, 20c; dozen, $2.00.**
Hervor. (M 2.) Carmine rose with white eye. **Each, 25c; dozen, $2.50.**
Inspector Eippel. (T 2.) New. Large flower, light pink, with crimson eye. An improvement on Selma. **Each, 25c; dozen, $2.50.**
Iris. (M 2.) Large flower, bluish violet with large blue center. **Ea. 25c; doz. $2.50.**
***Jeanne d'Arc.** (T 3.) Fine pure white. **Each, 15c; dozen, $1.50.**
Katinka Beeli. (M 2.) Large trusses, coppery crimson with blood-red eye. Very distinct. **Each, 25c; dozen, $2.50.**
***Le Madhi.** A metallic bluish-violet color having fine large truss, a prolific bloomer. One of the very best of its color. **Each, 20c; dozen, $2.00.**
***Mme. Bezanson.** (T 2.) Bright rosy red. **Each, 15c; dozen, $1.50.**
***Mme. Paul Dutrie.** (M 1.) Soft pink, suffused white. **Ea., 15c; doz., $1.50.**
Miss Lingard (T 1.) (Suffruticosa). Pure white; the earliest of all. Blooms all summer; good for cut flowers. **Each, 20c; dozen, $2.00.**
Mrs. Arthur Baker. (M 2.) Fine salmon; very distinct. **Ea., 20c; doz., $2.00.**
Mrs. John Barker. (M 2.) Dark carmine pink; very fine. **Ea. 25c; doz. $2.50.**
***Mrs. Jenkins.** A very free flowering early variety of medium height producing immense panicles of pure white flowers. **Each, 20c; dozen, $2.00.**
Pantheon. (T 2.) Deep salmon rose, very fine. **Each, 20c; dozen, $2.00.**
R. P. Struthers. (T 2.) Rosy carmine with claret eye. **Each, 20c; dozen, $2.00.**
Rhynstrom. Beautiful color not unlike that of Paul Neyron Rose. A good strong grower and a very free-flowering variety. **Each, 25c; dozen, $2.50.**
***Rosenberg.** (M 2.) New. Bright reddish violet with blood-red eye; individual flowers large. **Each, 20c; dozen, $2.00.**
Selma. (T 2.) Large trusses of very large pink flowers with cherry-red eye; choice. **Each, 20c; dozen, $2.00.**
Sigrid Arnoldson. (T 2.) Fiery carmine red with dark center; extra fine. **Each, 25c; dozen, $2.50.**
Snowbird. (M 2.) New. Pure white with a faint pink eye, violet markings on the reverse side of the flower; large individual flowers and a strong grower. **Each, 25c; dozen, $2.50.**
Tapis Blanc. (D 1.) Pure white; immense heads. The best dwarf Phlox in cultivation. **Each, 25c; dozen, $2.50.**
Von Goethe. (M 2.) Pure clear pink with white eye. **Each, 20c; dozen, $2.00.**
Von Hochberg. (M 3.) The ideal crimson. The richest of its color. **Each, 20c; dozen, $2.00.**
Wanadis. Mottled white and light violet, intensified with bright purplish red eye; very distinct. **Each, 25c; dozen, $2.50.**
Widar. (M 2.) A much admired violet blue with white eye; a rich colored form of Antonin Mercie. **Each, 25c; dozen, $2.50.**
W. C. Egan. (M 2.) New. Large flower, rich rosy mauve; richer than Beranger. A splendid vigorous plant. **Each, 25c; dozen, $2.50.**

COLLECTIONS, PHLOX DECUSSATA

These collections are great value, containing only the choice kinds (often some of the newer varieties) all correctly labelled, and supplied only in strong plants. The increased demand for them each year is sufficient evidence of their quality.

No. 100.—One each of 20 varieties, our selection from above. All distinctly labelled for $2.50 **by express,** not prepaid.
No. 100A.—One each of 10 varieties, our selection from above. All distinctly labelled for $1.50 **by express,** not prepaid.
Mixed.—1 year field-grown plants of a choice mixture of colors. Unnamed varieties. **Each, 10c; dozen, $1.00; per 100, $6.00; by express only.**

Phlox Arendsi

A new type of Phlox originated by a successful crossing of the early flowering Phlox Divaricata Canadensis with the showy herbaceous varieties of Phlox Decussata. The plants are of vigorous branching habit, growing according to the variety from 12 to 24 inches high. Coming into flower during the latter part of May they continue in good condition for nearly two months, producing a mass of flowers unknown in other types of Phlox. It is an excellent type for shurb borders and perennial beds and the flowers last well.

Amanda. 15 in. high, well branched. Flowers of medium size, early, lavender with dark center. A splendid bedder.
Charlotte. 20-24 in. high, many branches producing dense clusters of flowers, white with a soft lilac rose sheen and a dark lilac eye. A splendid cut flower.
Luise. Height about 24 in. Color of flower pale lilac with carmine eye.
Price. Any of the above, **each, 35c; dozen, $3.50.**

Dwarf and Alpine Phlox

These are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.

Amoena Rosea. Bright pink; May to June; height 6 in. **Ea., 15c; doz., $1.50.**
Divaricata Laphami. (New.) A very beautiful variety with clear lavender blue flowers from April to July; height 1 foot. **Each, 15c; dozen, $1.50.**
Maculata Alpha. Dwarf early variety with dark pinkish mauve flowers, stems usually spotted and slender. **Each, 25c; dozen, $2.50.**
Pilosa Splendens. From 12 to 15 inches high producing great masses of brilliant rosy-carmine flowers. It blooms at the same time as Phlox Divaricata making a splendid companion to it. A very effective sort. **Each, 25c; dozen, $2.50.**
Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height 4 inches. **Each, 15c; dozen, $1.50.**
Subulata Rosea. Same as above but with dainty rose pink flowers. This and Alba are fine for graves. **Each, 15c; dozen, $1.50.**

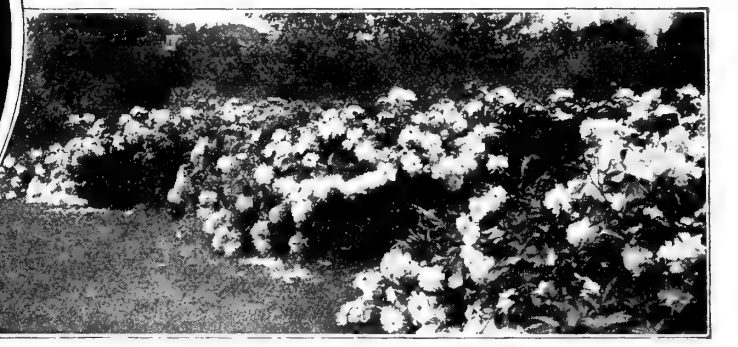
Larger clumps of varieties marked thus*, can be had at a 50 per cent increase in price.

Vaughan's PEONIES

Peonies, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap peonies, they require just as much care as the better kinds, and are disappointing in the end.

We offer three sizes, viz:—

Small—divided roots, 3-5 eyes. Medium—1 and 2 years from division
Large—4 and 5 year old clumps.
Small; Medium; Large roots.



Planting Directions Sent With Every Order for Peonies.

White and Light Varieties

Albatre. Large, compact, rose-type bloom, wide center petals. Milk white, center petals edged carmine. Extra good. Mid season. **S. 75c.**

Avalanche. Large, globe-shaped bloom, similar to the preceding, but not as early. **S, 75c.**

Carnea Triumphans. Guards and crown pale pink, collar amber-white, fragrant. Midseason. **S, 50c; M, 75c.**

Charlemagne. Lilac white with a slight blush center, fragrant, medium height, free bloomer. Globular rose-type flower. Flowers open better in water in house than on the plant. Late; extra. **S, 50c; M, 75c; L, $1.25.**

Couronne D'Or. Large, flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. **S, 50c; M, 85c.**

Duchess de Nemours (Calot). Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Midseason, follows Festiva Maxima; fragrant. **S, 40c; M, 75c; L, $1.25.**

Duc de Wellington. Large bomb, white guards, sulphur center. Fragrant. Medium tall, vigorous grower; free bloomer. Late. **S, 50c; M, 75c.**

Festiva (Drop White). True, large, full, double; creamy white with crimson spots in center. Dwarf. Late. **S, 50c.**

Festiva Maxima. The best known Peony. Flower of immense size—7 to 8 in. in diameter—snow white, with some red spots on the edge of the center petals. Very sweet. Early. **S, 45c; M, 60c; L, $1.25.**

Jeanne d'Arc. Very similar to "Golden Harvest," but larger, and finer. Collar, cream white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. **S, 50c; M, 75c.**

La Rosiere. Large, compact semi-double flower, with broad petals, outer petals pure white at center with yellowish-white border. In form and effect resembles an enormous tea rose. Midseason. **S, 60c; M, 85c.**

La Tulipe. Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late. **S, 50c; M, 75c; L, $1.25.**

Madame Breon. Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems. Fragrant. Early. **S, 50c; M, 85c; L, $1.50.**

Madame Crousse. Very large, full well-made flower; color snow-white, center petals edged with bright carmine. Extra fine for all purposes. Taken all together this is the best of all white Peonies. **S, 60c; M, 85c; L, $1.50.**

Madame de Vatry. Large, compact high crown. Guards and crown lilac white, with sulphur white collar. Fragrant; medium height; midseason. **S, 60c; M, 85c.**

Madame de Verneville. Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one of the most desirable for all purposes. **S, 60c; M, 85c; L, $1.50.**

Marie Lemoine. Delicate ivory white; solid massive blooms of extra size; very late. **S, 50c; M, 75c; L, $1.25.**

M. Dupont. One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer. **S, 75c; M, $1.00; L, $1.50.**

Queen Victoria. Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason. **S, 40c; M, 60c.**

Light and Dark Pink and Rose

Albert Crousse. Very large flat, compact bomb; rosy-white flecked crimson. very fragrant, tall free bloomer. Late. **S, $1.00.**

Alexander Dumas. Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. **S, 60c; M, 85c.**

Dorchester (Richardson's). A most beautiful soft pink of fine form, dwarf grower. **S, 75c.**

Duchess de Nemours (Guerin). Fine brilliant pink shaded violet, intermixed with white. Very large bloom, and an excellent early cut flower variety. **S, 60c; M, 85c.**

Edulis Superba. Bright mauve pink collar mixed with lilac, fragrant, strong upright stems, free bloomer, early, one of the best commercial pinks. **S, 45c; M, 75c.**

Etendard du Grand Homme. Very large, showy, brilliant red, bomb type bloom. Late. Tall and fragrant. **S, 75c; M, $1.00.**

Eugene Verdier. Delicate flesh pink, very tall, free and very beautiful. Midseason. **S, 60c.**

Faust. Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals, midseason. **S, 50c; M, 80c.**

Floral Treasure. Color pale lilac-rose, large and showy midseason, extra good, one of the best commercial blooms. **S, 60c; M, 85c.**

Jules Calot. Large, flat rose type, dark pink, with silvery reflex. Fragrant, strong, medium height; free bloomer. Midseason. Good. **S, 40c; M, 65c; L, $1.25.**

Kohinoor. Shell pink, very free, splendid cut flower, midseason. **S, 40c; M 65c; L, $1.00.**

Lady Leonora Bramwell. Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort. **S, 45c; M, 65c; L, $1.25.**

Livingstone. Very massive solid light pink of the highest class. Rose shape. Free. Vigorous bloomer and very late. **S, $1.00.**

Madam de Galhau. Large and full curved bloom with closely set petals. Soft glossy, flesh-pink, petals bordered silvery-pink. **S, 40c; M, 65c.**

Madam Ducel. Enormous, globular and compact bloom. Literally packed with petals, which are somewhat incurved like chrysanthemums. A brilliant shade of pink with silvery reflex. Holds its form and color to the end. Fragrant, early midseason bloomer. **S, 75c; M, $1.00;**

Madame Emile Galle. Flat, compact, rose-type bloom. Deep lilac-white, changing to milk-white in the center. Tall. Late. **S, $1.00.**

Madame Emile Lemoine. Large globular, compact, semi-rose type. Milk-white. Medium height. **S, $1.50.**

Madam Forel. Immense, compact, ball-shaped bloom. Clear deep rose. Strong stems, very fragrant. Late. **S, 75c; M, $1.25.**

Madam Furtado. Bright violaceous-pink guard, bright salmon-pink center. **S, 60c.**

None of the early Summer Perennials can excel the Peony in beauty of form, color and fragrance. Peonies should be in every garden.

Peonies—Continued

Light and Dark Pink, and Rose—Cont.

Madam Geissler. One of the largest Peonies, very double globular. Imbricated, massive and imposing. Color: a glossy silvery rose, shading to Bengal rose at base of petals. Delicious fragrance. An abundant midsummer bloomer. One of the best cut-flower sorts. **S, 75c; M, $1.00.**

Marguerite Gerard. Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea pink, fading to nearly white, central petal flecked dark carmine. A free bloomer. Late. Extra. **S, $1.00.**

Marie Stuart. Medium size crown. Guards and crown pale pink, creamy-white collar. Fragrant. **S, 75c.**

Mathilde Mechin. French pink, mixed with small salmon petals. Bright Anemone ball-shaped flowers of perfect build. Extra fine. **S, 60c.**

Modele de Perfection. Color clear flesh-pink, marked with bright rose and bordered with silvery rose; large guard petals forming high globular buds, with some petals salmon-shaded. Late and very fragrant; very desirable sort. **S, 75c; M, $1.00.**

Modeste Guerin. Very large bomb-shape, full and compact. Superb solferino red. Very free-flowering and fragrant. Exceptionally strong rigid stems. Midseason. An extra good variety. **S, 50c; M, 75c.**

Mons. Boucharlet Aine. Large, full, compact, medium light pink. Semi-rose type with silvery reflex. Strong grower and free bloomer. Late midseason. **S, 50c; M, 85; L, $1.50.**

Monsieur Jules Elie. Immense globular, very full, double, imbricated bloom on very heavy stems; petalage broad and over-lapping, color, glossy flesh-pink, shading to a deeper rose at the base and the entire blooms covered with a silvery reflex. A vigorous grower, free bloomer, very fragrant. One of the very best pink sorts. **S, $1.00.**

Octavie Demay. Very large, flat, crown. Guards and center pale hydrangea-pink, collar almost white. Fragrant. Very dwarf habit, free bloomer. An exceptionally choice variety. **S, $1.00; M, $1.50.**

Princess Beatrice. Compact high crown, guards and crown light violet-rose, center flecked crimson, collar creamy-white. A strong variety. **S, 40c; M, 75c.**

Prolifera Tricolor. Medium size. Guards flesh-white, collar of sulphur-yellow. Narrow ligulated petals, open, pale-rose crown, enclosing a tuft of sulphur-white petals. Fragrant. Late. **S, 50c; M, 75c L, $1.25.**

Pulcherrima. Outside petals flesh, center pink. Very large and borne on long strong stems. **S, 35c; M, 50c; L, $1.25.**

Souvenir de G. Calot. Very large bloom, satiny pink, shaded glossy soft lilac. **S, 60c; M, 85c; L, $1.25.**

Souvenir de l'Exposition Universelle. Large perfect shaped imbricated flower, brilliant cerise, with silvery reflex. **S, 60c; M, 85c.**

Thorbeckii. Deep red pink; of fine form; lighter in center. Medium dwarf habit. **S, 35; M, 60c; L, $1.00.**

Triomphe de l'Exposition de Lille. Large, imbricated flower; soft carnation pink, with white reflex, carmine center; very fresh coloring. One of the best. **S, 60c; M, 85c.**

Triumphans Gandavensis. Soft salmon pink shading to creamy white with carmine spots, free bloomer, strong grower. **S, 45c; M, 60; L, $1.00.**

Red and Crimson Sorts

Andre Lauries. Large, very compact, globular rose type. Dark rose, with deeper center, and silvery reflex. Medium tall. **S, 45c; M, 60c; L, $1.00.**

Augustin D'Hour. Large, bomb-shaped flower, dark brilliant solferino-red with slight silvery reflex. Medium tall, very free; midseason. Very fine. **S, 60c; M, 90c.**

Red and Crimson Sorts—Cont.

Delachei. A very striking Peony. Deep rich amaranth purple with a crimson reflex. Late, fragrant, a strong grower, and a free bloomer. A fine sort for massing. **S, 45c; M, 60c.**

Edouard Andre. Early-blooming, deep brilliant crimson with metallic glow and golden yellow stamens. Valuable and unique. **S, 75c; M, $1.00.**

Felix Crousse. Large, compact, and typical bomb-shaped red, dazzling in the brilliancy of its color; it is in fact, the best red Peony. Free midseason blooming and quite fragrant. **S, 75c; M, $1.00.**

General Davoust. Large globular flowers; carmine shaded amaranth. **S, $1.00.**

Gloire de Douai. Large flower of a glowing rich crimson. **S, 60c; M, 85c.**

La Grange. This variety appeared with us as a rogue in "Charlemagne" eight years ago. It impressed us as being very desirable on account of its striking red color, heavy stem, and large double flowers, and we have been propagating this variety since then. Everyone who has seen it in our nursery is delighted with it and we can strongly recommend it. **S, 50c; M, 85c; L, $1.50.**

L'Eclatante. Very large, compact, bomb. Brilliant red (Tyrian-rose). Medium height; extra strong. Midseason. Very good. **S, 45c.**

Louis Van Houtte. Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant firey reflex. Medium late. **S, 50c; M, 75c; L, $1.25.**

Madame Le Bon. Late; very large; color, brilliant cerise-red with silvery reflex. Extra. **S, 50c; M, 75c.**

Marechal Valliant. Very large, compact, globular flower. Dark mauve pink; very tall and late. An excellent variety. **S, 75c; M, $1.00.**

Meissonier. Broad outer petals, brilliant purple amaranth, inner petals crimson, free bloomer. **S, 50c; M, 85.**

M. Barral. Fine pink; very large and double. Strong stem. Late. **S, 75; M, $1.00; L, $1.75.**

M. Krelage. Large, compact, semi-rose type. Dark soferino-red, with silvery tips. Slightly fragrant. Strong, upright, free bloomer. Late. Very desirable. **S, 75c.**

M. Martin Cahuzac. Medium sized, globular, semi-rose type. Dark purple garnet with black reflex. The darkest peony known. Strong, vigorous grower. Free bloomer. Midseason. **S, $5.00.**

Monsieur Paul Du Ribert. Large, medium, loose, bomb. Uniform deep carmine-rose. Fragrant. Medium height, free bloomer. Late. **S, 60c; M, 85c; L, $1.25.**

Officinalis Rubra Plena. This is the old-fashoned red, the most brilliant of all red Peonies. Early and splendid cut flower. **S, 35c; M, 60c.**

President Roosevelt. Fine full bloom, color very brilliant red. **S, 50c; M, 80c.**

Rubra Triumphans. Large, loose, globular, semi-double flower. Deep crimson. Medium tall, strong grower, early. **S, 50c; M, 85.**

Unnamed Peonies

Double White, Pink and Red. S, 25c; M, 50c; L, $1.00.

Various Peonies

Single Crimson, small, **each 50c.**
Single Pink, small, **each 50c.**
Single White, small, **each 75c.**
Japanese Tree, 3 year old plants, **each $1.25.**

Discount Off List Prices on Peonies

Orders amounting to $5.60 will be $5.00 cash.
Orders amounting to $11.50 will be $10.00 cash.
On orders amounting to $15.00 and over we shall allow a straight cash discount of 15 per cent.

PAPAVER (Poppy)—Continued from page 99.

		Per Pkt.	Per Plant
	Mahony. Deep maroon **Marie Studholme.** Salmon pink **Mrs. Perry** (New). Orange Salmon **Oriental King.** Crimson scarlet **Oriflamme** (New). Bright orange **Princess Ena.** Orange pink } Plants per 100 **$20.00**	..	.25
5373	**Princess Victoria Louise.** Soft lilac rose	.10	.25
	Rembrandt. Distinct orange red	..	.25
	Royal Scarlet. Glowing orange scarlet, black blotches. Per 100 **$10.00**	..	.15
	Silver Queen. Silvery white. Plants per 100, **$20.00**	..	.25
	PENTSTEMON (Beard Tongue).		
	Barbatus Torreyi. See Chelone.		
5374	**Digitalis.** 3 ft. Blush white flowers in loose spikes	.05	.15
5375	**Hartwegi.** A new large-flowered strain; all the colors are distinct and showy and include seed from many named varieties	.25	..
5376	**Hartwegi Albus (White "Newbury Gem").** Pure white	.25	..
	Newbury Gem. Brilliant crimson scarlet, small flowers in large quantities.	..	.25
	Southgate Gem. Brilliant scarlet with white throat	..	.25
5377	**Pubescens.** Rosy purple 5377 **Mixed.** A choice assortment	.05	..
	PHALARIS. See Grasses.		
5377a	**PHLOX Decussata (Hardy Phlox).** Finest mixed. Plants see page 100	.10	..
5378	**PHYSALIS Franchetti. (Chinese Lantern Plant.)** 1½ ft. Flowers yellow with dark center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns	.10	..

Varieties with no marginal number are offered in plants only.

PAPAVER ORIENTALE

Perennial Flower Seeds and Plants

PLATYCODON

		Per Pkt	Per Plant
	PHYSOSTEGIA (False Dragon Head). 3 ft. June to Sept.		
5379	**Virginica.** Dense bushes with spikes of delicate pink tubular flowers	.05	.15
5380	**Alba.** Charming companion plant to the above	.10	.15
	Speciosa. Beautiful pink flowers. Plants of each, per 100, **$10.00**	..	.15
	PLATYCODON (Chinese Balloon Flower). 2 ft. Very handsome border plants of the **Campanula family**, the flowers in bud having the appearance of inflated balloons, they flower from June to Sept.		
5381	**Album Plenum.** Double white	.10	..
5382	**Coeruleum Plenum.** Double blue	.10	..
5383	**Grandiflorum.** Large handsome deep blue flowers	.05	.15
5384	**Album.** Pure white — Plants per 100, **$10.00**	.05	.15
5385	**Mariesii.** 1 ft. Deep blue flowers, dwarf	.10	.15
5386	**Album.** Large white flowers on rigid stems	.10	.15
	PLUMBAGO Larpentae (Leadwort). 8 in. A pretty Autumn-flowering plant, with clusters of cobalt-blue flowers; fine for edging	..	.15
	POLYGONUM (Knot Grass.)		
	Compactum, 2 ft. Masses of white spikes tinged rose	..	.15
	Cuspidatum (Japanese Knot Weed.) Vigorous trailing plant, climbing 7 or 8 ft. high. Useful for shrubberies or under trees; flowers white	..	.15
	POLEMONIUM (Jacob's Ladder).		
5400	**Coeruleum (Greek Valerian).** 2 ft. Beautiful spikes of sky-blue flowers	.10	..
5401	**Grandiflorum Album.** Pure white	.10	..

PYRETHRUM

		Per Pkt.	Per Plant
5402	**POTENTILLA (Cinquefoil).** 1 ft.		
	Formosa. Strawberry-like foliage, with cherry rose colored flowers throughout summer. Plants per 100, **$10.00**	.10	.15
	Gibson's Scarlet (New). 2 ft. One of the showiest border plants; intense crimson scarlet flowers in great profusion. Plants per 100, **$12.00.**	..	.20
	POPPY—See Papaver.		
	PRIMULA (Primrose).		
5403	**Auricula.** 6 in. flowers in early spring in various colors of yellow, brown and red	.10	..
5404	**Grandiflora.** An extra choice large-flowered mixed strain	.25	.15
5405	**Japonica, Mixed.**	.10	..
5406	**Lutea Gigantea.** Fine yellow	.25	..
5407	**Sieboldii.** A charming primrose, in many shades of color	.10	..
4509	**Veris (Elatior).** The pale yellow Oxlip, bearing flowers in umbels	.10	..
5410	**Vulgaris (Common Primrose).** Flowers pale yellow	.10	..
5411	**PUERARIA Thunbergiana (Kudzu Vine or Jack-and-the-Bean-Stalk).** 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful, strong growth. **¼ oz. 30c.** (See page 124)	.05	.25
	PYRETHRUM. One of the most valuable of our early summer flowers. Charming shades of color, and wonderful lasting properties as a cut flower. They flower in May and June, and frequently in August and September the second time; the colors run into almost every shade, which make them foremost of plants in this particular season.		
	Double Varieties.		
	Alfred Kelway. Crimson passing to rose	..	.35
	Aphrodite. Pure white, very free and good	..	.35
	Carl Vogt. Early white, very fine	..	.40
	Lord Rosebery. Intense deep crimson scarlet, free flowering	..	.35
	Ne Plus Ultra. Beautiful flesh pink	..	.35
	Princess de Metternich. Large full white	..	.35
	Virgo. Creamy white	..	.35
	Yvonne Cayeux. Pure white, with central shading of yellow	..	.35
5412	**Double Mixed.** Extra choice, selected seed	.25	..
	Single Varieties.		
	James Kelway. Dazzling bright scarlet, very fine	..	.35
5413	**Roseum. Single Mixed.** Plants per 100, **$10.00**	.15	.15
5414	**New Hybrids.** A choice strain of seed from the originator	.25	.25
5415	**Uliginosum.** 4. ft. Large giant daisy-like flowers, in great profusion. Plants per 100, **$10.00**	.10	.15
	Stellatum. Larger and better than the preceding	..	.25
	RANUNCULUS Acris. 2½ ft. May-June. A showy border plant, bearing rosettes of double yellow flowers in early summer. Per 100, **$10.00.**	..	.15
5416	**REHMANNIA Angulata.** 6 in. Flowers like "Incarvillea," in rose and red shades; very handsome	.25	..
5418	**RHEUM Palmatum Tanghuticum.** 7 ft. Extremely ornamental foliage plant, with enormous dark bronzy leaves, and tall white flower spikes, followed by scarlet seed pods	.05	..
5419	**ROMNEYA Coulteri (California Tree Poppy).** 5 ft. Flowers all summer. Beautiful snowy white flowers 4-5 in. in diameter and very fragrant; likes a light, loamy soil and warm aspect	.10	..
5420	**ROSMARINUS Officinalis (Rosemary).** An old garden favorite; fine as single specimens, or makes a nice low fragrant hedge. Plants, per 100, **$10.00**	.10	.15

RUDBECKIA PURPUREA

Prices for three and twelve plants of a kind are given on page 87.

Perennial Flower Seeds and Plants

SCABIOSA CAUCASICA

RUDBECKIA (Cone Flower). Per Pkt. Per Plant

Somewhat resembling the **Sunflower,** but differing in the central disc of the single flowers protruding in the form of a cone. A highly ornamental Autumn-flowering plant, and much valued for cutting.

5421 **Laciniata.** Large single yellow flowers ..... .05 ..
***Laciniata fl. pl., Golden Glow.** 6 ft. July-Sept. Rich, yellow double flowers, much prized for cutting. Plants, per 100, **$8.00** .... .15
***Golden Ray (New).** Fine double rich yellow. Plants, per 100, **$10.00** ... .. .15
5422 **Newmanii.** 3 ft. Rich golden yellow with central black disc ..... .10 .15
5423 ***Nitida, Autumn Sun.** 6 ft. Rich yellow flowers with large greenish conical disc; very attractive ..... .25 .15
Purpurea Grandiflora, Syn., **Echinacea Purpurea (Purple Cone Flower).** 3 ft. September; large handsome crimson-purple flowers with dark central disc. Plants, per 100, **$10.00** .... .15
***Subtomentosa.** 5 ft. Golden yellow flowers on elegant branching stems. Foliage deliciously hay-scented ..... .15
5424 **SALVIA ARGENTEA.** 3 ft. Bold silvery-white foliage, with pyramids of white flowers ..... .05 ..
5425 **Azurea Grandiflora.** 4 ft. Sept-Oct. Stately willow-like growth, spikes of pale blue flowers. Plants per 100, **$15.00** ..... .15 .25
5426 **Patens.** 2 ft. Large rich pure blue flowers ..... .10 ..
Pitcheri (Meadow Sage). 3 ft. August to October. One of the finest blue garden plants for brilliancy, far in advance of *Anchusa Italica.* It flowers in the fall right up to the first frost, the flowers coming in regular sheaves of cornflower blue. Plants per 100, **$18.00** .... .25

5427 **Officinalis (Common Sage).** Used for culinary purposes. Plants, per 100, **$8.00** ..... Per Pkt. .05 Per Plant .15

Uliginosa. 4 ft. In general habit similar to Salvia Azurea and Pitcheri, but of stronger growth; each plant forming a bushy specimen from 5 to 6 feet high, and of wonderful, free-flowering habit, flowering continuously from June until stopped by severe frost in October. The flowers are of a pretty cornflower blue color with a white throat and are produced in branched spikes frequently six inches long. One of the most desirable introductions of the season .... .35

5428 **SANTOLINA Maritima (Incana).** 1 ft. Silvery white fragrant foliage ... .10 ..
5429 **SAPONARIA Caucasica fl. pl. (Bouncing Bet).** 1 ft. Bluish white fragrant flowers ..... .05 ..
5430 **Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. Plants, per 100, **$10.00** ..... .05 .15
5431 **SCABIOSA Caucasica (Pincushion Flower).** 3 ft. Large pale mauve flowers on long stems; fine for cutting. Plants, per 100, **$10.00** ..... .10 .15
5432 **Alba.** Flowers white, very beautiful ..... .15 .15
5433 **Japonica.** 2 ft. Lavender blue flowers ..... .15 ..

SEDUM (Stonecrop).

Charming plants with great diversity of character, much used for edgings, carpet bedding and on rockeries.

Acre. 3 in. May-June. Common yellow stonecrop. Plants, per 100, **$10.00.** .. .15
Brilliant. A bright colored form of 'Spectabile' .... .25
Sieboldii. 6 in. Sept. Bright pink on small arching stems .... .25
Spectabile. 15 in. Aug.-Sept. Robust fleshy-gray foliage with dense flat heads of rosy pink flowers .... .15
Atropurpureum. New form of deep rosy crimson shade .... .25

SEDUM SPECTABILE

STATICE LATIFOLIA

5434 **SENECIO Clivorum.** 4 ft. July-Oct. Large orange yellow flowers with large shining green leaves. Fine for borders, waterside or under trees. Per Pkt. .10 Per Plant ..

SILENE (Catchfly). July-Oct.

Useful plants for front row of Herbaceous border, bearing quantities of bright flowers. Schafta is of compact, neat growth.

5435 **Acaulis (Moss Champion).** 3 in. June. Dense green cushions with bright pink flowers studded all over ..... .10 ..
5436 **Orientalis.** 8 in. Handsome rosy pink flowers. Plants, per 100, **$10.00.** .05 .15
5438 **Schafta.** 4 in. July-Oct. Bright rose flowers, one of the best Autumn border plants. Plants, per 100, **$10.00** ..... .15 .15

SOLIDAGO (Golden Rod) American National Flower.

5440 **Canadensis.** 3 ft. gracefully arched sprays of golden. yellow flowers. Plants, per 100, **$10.00** ..... .05 .15
***"Golden Wings."** 1 ft. Dwarf form of above. Plants, per 100, **$15.00** .. .25

SPIRAEA (Goat's Beard or Meadow Sweet). June-July.

Filipendula fl. pl. (Double Dropwort). 2 ft. Dwarf cushions of fern-like foliage, with corymbs of double white flowers, useful for cutting .... .. .20

5441 **STACHYS Lanata.** Grown for the effect of its dwarf white woolly foliage; the flower spikes should be removed ..... .05 ..

STATICE (Sea Lavender).

Large spreading panicles of light, graceful flowers, of the "everlasting" nature, much prized for winter decoration. Cut in the fall.

5442 **Incana.** 1 ft. Dense spreading heads of small white flowers ..... .10 ..
5443 **Latifolia.** 2 ft. Dense branching plumes of deep blue flowers ..... .10 .15
5444 **STOKESIA Cyanea (Stokes' Aster).** 18 in. July-Oct. Flowers rich blue, like a giant cornflower, very distinct. Plants, per 100, **$8.00** ..... .10 .15
5445 **Alba.** The white companion of the preceding ..... .10

Varieties with no marginal numbers are offered in plants only.

Perennial Flower Seeds and Plants

		Per Pkt.	Per Plant
	SWEET WILLIAM—See Dianthus Barbatus.		
	TARRAGON, True German. Used for cooking purposes. **Ordinary roots,**	..	.15
	Larger clumps	..	25
	THALICTRUM (Meadow Rue.)		
5447	**Adiantifolium.** 9 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers	.10	.15
5448	**Dipterocarpum (New).** 4-5 ft. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers	.25	.50
5449	**THERMOPSIS Caroliniana.** 3 ft. June. Clover-like foliage with spikes of pea-shaped yellow flowers	.10	..
5450	**THYMUS Vulgaris. (Common Thyme).** For seasoning. Per 100, **$10.00.**	.05	.15
	TRADESCANTIA Virginica (Spiderwort). 2 ft. July-Aug. A fine old hardy plant, with bright blue three-petaled flowers. Per 100, **$10.00**	..	.15
	Alba. Pure white	..	.20
	Rubra. Brilliant rose	..	.20
	TRILLIUM Grandiflorum (Wake Robin). 12 in. May-June. Large snowy-white flowers; one of the best of our native plants. Plants per 100, **$6.00; per 1,000 $50.00**	..	.15
	TRITOMA (Torch Lily, Flame Flower, Red Hot Poker). Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4-foot stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.		
	Corallina. 3 ft. June-Aug. Bright coral scarlet, finely formed spike	..	.25
	Express. 3 ft. July-Aug. Brilliant orange scarlet	..	.15

TRITOMA

THALICTRUM

		Per Pkt	Per Plant
	Obelisque. 5 ft. Aug.-Sept. Long handsome spikes of golden yellow	..	.25
	Ophir (New). 5 ft. Aug.-Sept. Fine spikes of rich orange yellow	..	.25
	Macowanii. 2 ft. Aug.-Sept. Beautiful soft coral red; dwarf	..	.25
	Leda (New). 4 ft. Aug.-Oct. Orange scarlet, fine Autumn variety	..	.25
	Pfitzeri (Everblooming Flame Flower). 3 ft. Aug.-Nov. Bright orange scarlet. **Per 100 $10.00**	..	.15
5452	**Uvaria Grandiflora.** 4 ft. Aug.-Nov. The ordinary red-flowered Tritoma. Very ornamental	.10	.15
	TROLLIUS (Globe Flower).		
	Asiaticus fl. pl., Croceo. 18 in. May-June. Beautiful dark orange flowers. Very desirable for semi-shade	..	.25
5453	**Caucasicus "Orange Globe."** 3 ft. May-June. Large globular flowers of a rich deep orange yellow	.10	.25
5454	**Europaeus Grandiflora.** 2½ ft. May-June. Soft yellow flowers.	.10	..
5455	**Japonicus "Excelsior".** 2½ ft. May-June. Fine rich orange flowers	.10	.25
	TUNICA Saxifraga Splendens. 8 in. Flowers all summer. A pretty dwarf plant covered with myriads of tiny pink flowers	..	.20
	VALERIANA (Garden Heliotrope).		
5457	**Officinalis.** 3 ft. June-July. Large trusses of pale pink flowers	.10	.15
5458	**Rubra.** Sweet scented red flowers	.10	..
5459	**Alba.** Pure white flowers	.10	..
5460	**VERBASCUM Olympicum.** 2 ft. June to Sept. Pyramidal spikes of small golden yellow flowers, with large silvery gray foliage	.10	..
6461	**VERONICA (Speedwell).**		
	Longifolia Subsessilis. 2 ft. Aug. One of the finest Autumn blue flowers, handsome heads of rich violet blue. Plants per 100, **$15.00**	..	.25

		Per Pkt.	Per Plant
5462	**Spicata.** 2 ft. July-Aug. Small spikes of rich blue flowers. Per 100, **$10.**	.10	.15
	Rosea. 2 ft. Grand rosy pink flowers; the best of the Spicata type	..	.15
	Compacta. Produces pretty pale blue flowers. Plants per 100, **$10.00**	..	.15
	VINCA (Periwinkle, Green Myrtle). 4 in. June. Valuable for rockeries or makes a grand evergreen carpet under and about shrubs and trees.		
	Minor. Green foliage, large blue flowers. Plants per 100, **$8.00**	..	.15
	Argentea Variegata. Silver variegated foliage and blue flowers, much used for baskets and porch boxes	..	.20
	VIOLA Cornuta (Tufted Pansies). 3-6 ins. Flower all summer, from seed sown in early spring, and are valuable for edging beds and borders. Require protection during winter.		
5464	**Admiration.** Rich violet blue flowers. ⅛ oz. **25c**	.10	..
5465	**Blue Perfection.** Charming shade of pale blue flowers. ⅛ **oz. 25c**	.10	..
5466	**Lutea Splendens.** Bright yellow, makes an effective border. ⅛ **oz. 25c**	.10	..
5467	**Mrs. G. Wermig.** Large rich violet-blue flowers; very fine	.15	..
5468	**Thuringia.** Dark blue flowers with white eye	.15	..
5469	**Vaughan's Improved Scotch Pansies.** This new strain produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades	.25	..
	VIOLET (Viola Odorata). 6 in. May-June. The true, hardy, double deep purple English Violet	..	.20
5470	**Single Violet.** Deep blue	.10	..
5471	**YUCCA Filamentosa (Adam's Needle).** 5 ft. June-July. Handsome, creamy white flowers, much branched and densely packed with bloom, while the sword-like foliage is very ornamental; makes a handsome lawn specimen	.10	.15
	Stronger plants, 3 yr., 25c; 4 yr., 50c; 5 yr. specimens, $1.00 each. Per 100, 2 yr., $10.00; 3 yr., $15.00.		

YUCCA FILAMENTOSA

SINGLE BEGONIAS

Flower Bulbs for Summer

These dormant roots, by a vigorous growth of one or more years, are prepared for certain flowering and often succeed to perfection in seasons when seedlings or tender plants fail completely.

In thousands of orders filled by us annually these have given universal satisfaction.

Gladiolus Bulbs, found on pages 14, 15 and 16 of this book, produced by us in very large quantities, are the most satisfactory of all summer bulbs.

TUBEROUS-ROOTED BEGONIAS

Unexcelled for summer bedding, such as lawn beds and borders. They should be grown more extensively than they now are, for they require no more care than ordinary bedding plants. They will thrive either in full sunshine or partial shade, but when fully exposed to the sun the beds must be kept moist.

SINGLE SORTS, White, Scarlet, Yellow, Pink. Each, 5c; 4 for 20c; doz., 50c; per 100, $3.50; per 1000, $30.00.

SINGLE FRILLED. Each 10c; doz., $1.00; per 100, $7.00.

SINGLE BUTTERFLY. Each, 14c; doz., $1.40; per 100, $9.00.

SINGLE MIXED COLORS. Doz., 45c; per 100, $3.00; Per 1000, $25.00.

DOUBLE SORTS. White, Scarlet, Yellow, Pink. Each 10c; 4 for 35c; doz., $1.00; per 100, $6.00; per 1000, $50.00.

DOUBLE FRILLED. Each, 14c; doz., $1.40; per 100, $9.00.

DOUBLE BUTTERFLY. Each, 15c; doz., $2.00; per 100, $15.00.

DOUBLE MIXED COLORS. Doz., 75c; per 100, $5.00; per 1000, $40.00.

NEW FREE-FLOWERING TUBEROUS BEGONIAS

BERTINI. 10 to 12 inches high; single flowering; elongated petals, vermillion color. The flowers are produced on graceful stems well above the foliage, and for brilliancy of color cannot be surpassed. **Each, 20c;doz. $2.00; per 100, $15.00.**

CRISTATA. Curious strain of Single Begonias with flowers of good size, bearing on each petal a crest or beard composed of curiously twisted threads which give flowers an interesting appearance. **Each, 20c; doz. $2.00; per 100, $15.00.**

GRAF ZEPPELIN. Of dwarf habit, 6 to 8 inches in height. Double flowers of rich scarlet. **Each, 20c; doz. $2.00; per 100, $15.00.**

LAFAYETTE. A splendid bedding variety. Flowers are of a most brilliant fiery scarlet, double and borne upright on their stalks. One of the best for bedding, as it blooms all summer. **Each, 25c; per doz. $2.50; per 100, $20.00.**

AMARYLLIS

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth. When the leaves appear give water and plenty of light; after flowers are off and leaves have started to turn yellow, withhold water and put pot away from light. Do not start growth again until bulb shows signs of life itself, which it will do (even when soil is perfectly dry) by pushing out new leaves.

Belladonna Major. Fine variety for fall blooming, very free flowering and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high. **Each, 20c; per dozen, $2.00; per 100, $15.00.**

Vittata Hybrids. These are unnamed seedlings, secured from that famous hybridizer, Luther Burbank. The flowers **cannot be surpassed for their richness of color and markings;** spikes are usually from 2 to 3 feet in height, bearing from 3 to 5 enormous trumpet-shaped flowers, measuring sometimes 10 inches across. Something new and distinct in Amaryllis and should be given a trial by everyone. **Each, 50c; doz. $5.50; per 100, $40.00; by express at purchaser's expense.**

Johnsoni. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong, fleshy spikes, and are of rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. **Large Bulbs, each, 25c; 3 for 70c; doz. $2.60; per 100, $20.00. Mammoth Bulbs, each, 40c; 3 for $1.15; doz. $4.50; per 100, $30.00; by express at purchaser's expense.**

Formosissima. One of the most popular of the Amaryllis family. Flowers are of a beautiful dark scarlet, strangely marked. Planted outdoors after danger of frost is over, will bloom during the summer, and if lifted in early fall can be carried over winter like Gladiolus. **Large Bulbs, each, 10c; 3 for 25c; doz. $1.00; per 100, $7.00; by express at purchaser's expense.**

CHLIDANTHUS FRAGRANS

Of free flowering habit, with beautiful lemon flowers; very fragrant, being a combination between the Lilac and the Tuberose. **Each, 10c; 3 for 25c; doz. $1.00; per 100, $7.00.**

CALADIUM ESCULENTUM

(ELEPHANT'S EAR)

One of the most effective and easily grown foliage plants for the lawn or border. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants. Will thrive in any ordinary garden soil, but to get the best results plant in rich soil and give plenty of water.

FIRST SIZE BULBS. 1½ to 2½ inches in diameter. **Each, 7c; 3 for 18c; doz. 60c; per100, $4.00; per 1000, $35.00; postage 3c each.**

SELECT SIZE BULBS. 2½ to 3 inches in diameter. **Each, 10c; 3 for 25c; doz. 90c; per 100, $6.00; per 1000, $50.00; postage 5c each.**

EXTRA LARGE BULBS. 3 to 4 inches in diameter. **Each, 15c; 3 for 40c; doz. $1.50; per 100, $10.00; per 1000, $90.00; postage 10c each.**

MAMMOTH SIZE. Beautiful bulbs. **Each 20c; 3 for 55c; doz. $2.00; per 100, $16.00; postage 15c each.**

APIOS TUBEROSA

Splendid hardy climber that is not well enough known. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria; are very fragrant and of a deep purple color.

Each, 5c; per doz. 50c, postpaid; per 100, $3.00; by express.

CINNAMON VINE

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in one season. **Good Roots, each 5c; per doz. 50c; 100 for $3.50. Large Roots, each 10c; 3 for 25c; doz. $1.00; per 100, $6.00.**

CALLAS

Elliotiana. Flowers are of a rich golden yellow, often measuring from 4 to 5 inches across. Foliage is the same as that of the well-known Spotted Calla—deep green, with white spots. **Each 25c; doz. 2.50; per 100, $20.00.**

Spotted Leaf. Similar to the well-known White Calla, but having its glossy, dark, rich green foliage marked and dotted with numerous white spots. The flowers are pure white with dark throat. **Each 10c; doz. $1.00; per 100 $6.00.**

Aethiopica. The White Lily of the Nile. **Each, 5c; per doz., 50c; per 100, $3.50**

Tuberoses

MEXICAN TUBEROSE

One of the best known and most easily grown summer flowering bulbs Easily recognized by its exquisite fragrance and beautiful flower spikes which are borne on long stems, making it an admirable cut-flower for house decoration. If started in pots and then transplanted to open ground can be had much earlier. Handling as we do a million of these each season, mainly for our wholesale and export buyers, enables us to select the **choicest bulbs** which the market produces for our trade.

EXCELSIOR DWARF PEARL—Mammoth

Our Mammoth Excelsior Dwarf Pearl is a special selection made for many years of the most dwarf, double and full flowered spikes and is exceptionally sturdy and dwarf in habit. This "Mammoth strain" is positively the highest type of the Tuberose. The kind to grow if you desire "prize" blooms.

MAMMOTH BULBS. Each 7c, 4 for 25c; doz. 65c, postpaid; by express, each 5c; doz. 50c; per 100, $3.00; per 1,000, $25.00.

FIRST SIZE BULBS. 3 for 15c; doz. 50c, postpaid; by express, 3 for 12c; doz. 35c; per 100, $2.00; per 1,000, $15.00.

SECOND SIZE BULBS. All-flowering; often sold by so-called "bargain-stores" under the name "first-class." **6 for 15c; doz. 25c, postpaid; by express, 6 for 12c; doz. 20c; per 100, $1.00; per 1,000, $8.00.**

ARMSTRONG'S EVER-BLOOMING. This variety blooms year after year and produces single pure white flowers of a fragrance similar to that of the "Jasmine." It makes a splendid cut-flower and should be in everyone's garden. **Each 7c; 4 for 25c; doz. 60c, postpaid; per 100, $3.50, by express.**

SILVER-LEAVED. This is an early single kind, with striped leaves, making a grand show on account of its striking foliage. **Each 5c; doz. 50c, postpaid; per 100, $3.00, by express.**

ALBINO. New branching single variety blooming much earlier than the old single variety; fine for cut-flowers. **Each 5c; doz. 50c, postpaid; per 100, $3.00, by express.**

TUBEROSE—EXCELSIOR PEARL

THE MEXICAN EVER-BLOOMING SINGLE TUBEROSE

These come from the high table land of Central Mexico. They have tall, stiff stems, flowers pure white, single, delightfully fragrant. They withstand all kinds of wind and weather except hard frosts, commence to bloom in May and are a mass of white till cut-down by frost. They never blight, and the smallest bulb blooms the first season, generally sending up from 5 to 15 flowers stalks. If the stalk is cut when the first flower opens and put in water, the flowers increase in size and whiteness, and keep for a week or ten days. **Each 10c; doz. 75c; per 100, $4.00.**

GLOXINIA—New Giant Flowering Hybrids

Beautiful tuberous rooted plants of dwarf habit and one of the most useful pot plants for indoor culture. Flowers are trumpet shaped, borne erect above the leaves and of exceedingly rich coloring and marking, ranging from deep scarlet to violet blue.

Use part leaf mold and sand in potting, as they like a light soil. Be careful in watering so as not to wet the leaves, otherwise they will spot and the plant will lose part of its beauty.

EMPEROR FREDERICK. Red, with a pure white border.
MONT BLANC. Pure white. **DEFIANCE.** Rich crimson-scarlet.
EMPEROR WILLIAM. Violet-blue, with white throat tinged and spotted; beautifully streaked and spotted.

Each 10c; 3 for 25c; doz. $1.00, prepaid; per 100, $8.00. Mixed colors, each 9c; 3 for 25c; doz. 80c, prepaid; per 100 $6.00.

HYACINTHUS CANDICANS (Summer Hyacinth)

Splendid bulb for planting in the perennial border, being perfecty hardy and of vigorous growth. Flowers are pure white and pendulous, borne on stalks four feet high. Plant in rear on account of tall growth. Large bulbs. **Each 5c; 3 for 12c, doz. 45c postpaid; by express, 100 for $3.00.**

TIGRIDIA (Shell Flower)

Curious and beautiful shell-like flowess about four inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May and taken up in October and kept over winter in dry sand.

NAMED VARIETIES. Each 6c; doz. 60c, postpaid; per 100, $4.00.
MIXED VARIETIES. Each 5c; doz. 50c, postpaid; per 100, $3.50.

ZEPHYRANTHUS

One of the prettiest and most easily grown bulbs for pot culture. Plant three or four four bulbs in a five or six-inch pot. Treat in garden same as Gladiolus.

ROSEA. Beautiful clear rose; flowers large and very handsome; blooms all summer. **Each 10c; 3 for 25c; doz. $1.00, postpaid; per 100, $6.00; per 1,000, $50.00.**
CANDIA. Pure white and the most profuse bloomer of all. **Each 6c; 3 for 15c; doz. 60c, postpaid; per 100, $4.00; per $1,000, $30.00.**

IPOMOEA PANICULATA

(Mexican Morning Glory) Color satiny lustrous carmine rose.

The vine grows 25 feet long and the leaves are 10 inches apart, with a cluster of flowers at each leaf. The root, like the Dahlia, is of hardier substance, increasing in size from year to year. The woody fibre never rots and can be kept like Dahlia roots in an ordinary cellar. Plant one and its free flowering and style of growth will make it your delight and the envy of your neighborhood.

FIRST SIZE ROOTS—Each 25c; doz. $2.50;
EXTRA SIZE ROOTS—Each 35c; doz. $3.50.

IPOMOEA PANDURATA (Hardy Moon Vine)

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat; foliage is luxuriant. One of the best climbers for northern latitudes.

FIRST SIZE ROOTS—Postpaid, each 15c, doz. $1.50.
EXTRA SIZE ROOTS—By express, each, 25c; doz. $2.50.

We are Gladiolus growers and specialists. See pages 14, 15 and 16 for the best named kinds and finest mixtures of these best-of-all summer-flowering bulbs.

ISMENE CALATHINA

This curious plant throws up its flower spikes as soon as growth commences and before the leaves appear. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Treat bulb same as Gladiolus. **Each, 10c; 3 for 25c; doz. $1.00; per 100, $6.00.**

MADEIRA VINE

One of the best and most popular climbers, not for the flower, which is insignificant, but for its leaves, which are small, dark green and very dense. Vine is of slender growth and will succeed in any location, doing best, however, in a sunny sheltered place. Not hardy and roots should be taken up in fall. Strong tubers. Large roots. **Each 5c; 3 for 12c; doz. 40c; postpaid; 100 for $2.50; per 1,000, $20.00.**

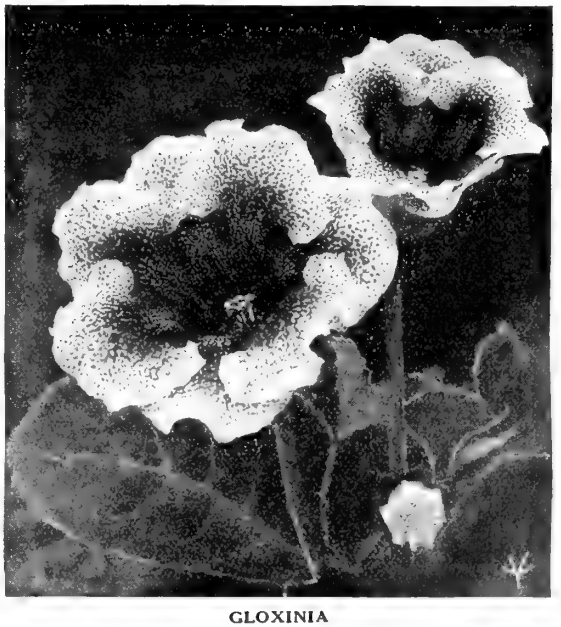
MONTBRETIA

One of the brightest and best of Summer flowering bulbs. Plant in clumps of six to twelve bulbs in May or June. They greatly resemble the Gladiolus in growth and produce beautiful spikes of star shaped flowers in various shades of orange, yellow and red.

Mixed varieties, **3 for 10c; doz. 30c; 100 for $2.00, postpaid; per 1,000, $15.00.**

SUMMER FLOWERING OXALIS

These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and a continuous show of bloom. Pure white, pink or red. Either color, **doz. 15c; 100 for 75c, postpaid; per 1,000, $6.00.**



GLOXINIA

Vaughan's Lily Bulbs

For Pot Culture or Out-door Planting in Beds or Hardy Plant Border

For color, fragrance, beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the Hardy Plant Border, where their hardiness make them so desirable; they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Price each includes postage. Larger quantities are at purchaser's expense by express or parcel post.

Approximate Weights of Liliums. 8-9 inch, doz., 4-5 lbs.; 9-11 inch, doz. 6-7 lbs.; 11-12 inch, doz., 9-10 lbs.

LILIUM AURATUM

(The Gold-banded Lily of Japan)

The most beautiful variety of all the Lily family; should be in every garden. Illustration on this page is taken from a photo of a plant grown from one bulb in the garden of one of our customers. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant.

	Each	Per Doz.	Per 100
First Size—(8-9 in.)	$0.20	$1.40	$ 8.00
Mammoth—(9-11 in.)	.25	2.00	12.00
Monster—(11-12 in.)	.45	3.50	20.00

AURATUM PLATYPHYLLUM

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad, and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping and of greater substance.

	Each	Per Doz.	Per 100
First Size—(8-10 in.)	$0.35	$3.00	$20.00

LILIUM SPECIOSUM

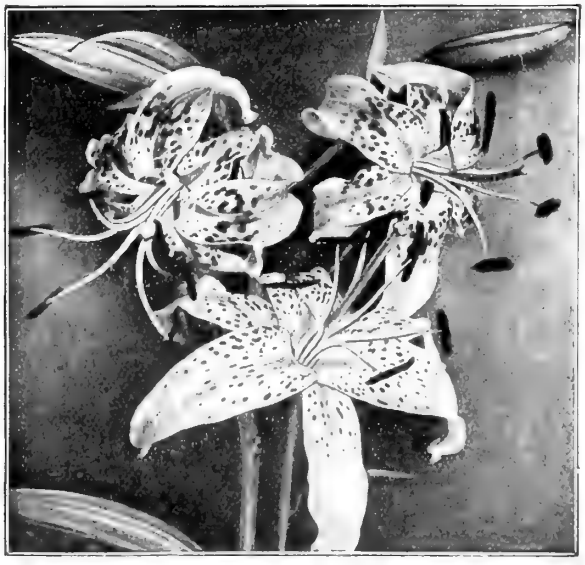
These lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open the petals recurve gracefully on the flower stem, exposing the beautiful rose and crimson markings, which characterize the **Rubrum and Melpomene** types.

	Each	Per Doz.	Per 100
ALBUM—Pure white:			
First Size—(8-9 in.)	$0.25	$2.50	$15.00
Mammoth—(9-11 in.)	.45	3.50	20.00
RUBRUM—White, spotted and rayed rosy red. We consider this the most satisfactory of the Speciosum class.			
First Size—(8-9 in.)	$0.20	$1.40	$ 8.00
Mammoth—(9-11 in.)	.25	2.00	17.00
Monster—(11-12 in.)	.35	3.00	18.00

LILY OF THE VALLEY

Large Imported Clumps. For outdoor planting in a shady moist position, these will give better bloom than the pips.

	Each	Per Doz.	Per 100
(Average weight of each clump is 3 lbs.)	$0.35	$3.50	$25.00



LILIUM SPECIOSUM RUBRUM

LILIUM AURATUM. **(The Product of a Single Bulb.)**

VARIOUS HARDY LILIES

	Each	Per Doz.	Per 100
Canadense. (Meadow Lily.) Graceful, drooping, bell-shaped, red and yellow flowers typical of our northern meadows. Perfectly hardy. Fine bulbs	$0.10	$1.00	$ 7.00
Elegans Leonard Joerg. Rich apricot, spotted	.15	1.50	10.00
Elegans Painted Chief. Bright flame	.15	1.50	10.00
Elegans Robustum. Orange spotted maroon	.10	1.25	8.00
Elegans Mixed	.10	1.00	7.00
Hansoni. Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable. Under favorable conditions it attains a height of 3 to 4 ft	.50	5.00	35.00
Henryi. A new rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; the color, a rich apricot-yellow, lightly spotted with brown	.60	6.00	45.00
Pardalinum—(Leopard Lily.) Rich scarlet and yellow, spotted rich brown.	.12	1.25	8.00
Superbum. The finest of the native lilies. Flowers bright orange, thickly spotted purple	.10	1.00	7.00
Tennuifolium—(Siberian Lily.) A native of Siberia; one of the very hardiest Lilies; flowers vivid scarlet, with petals reflexed; very showy and free-flowering, blooming early in the spring	.12	1.25	8.00
Tigrinum Splendens—(Improved Single Tiger Lily.) Very hardy native Lily; Orange-red, spotted purple-black.	.10	.90	6.00
Tigrinum Fortunei—(Improved Tiger Lily). Bulbs will produce more flowers than ordinary variety	.15	1.50	10.00
Tigrinum Flore Pleno—(Double Tiger Lily.) The well known double Tiger Lily. Rich Orange blossoms, 4 ft.	.10	1.00	7.00
Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot; blooms about midsummer	.12	1.25	8.00

LILIUM AURATUM RUBRO-VITTATUM

A beautiful, distinct and imposing Lily of the Auratum type, producing flowers quite as large as the Golden-rayed variety, but instead of the golden rays there is down the center of each long recurved petal, a heavy band of crimson, accompanied by crimson spots on a pure white ground. For all the highest decorative purposes to which the larger Lilies are applied this superb flower is of immense value, and as it is perfectly hardy, it may be planted in borders with magnificent effect.

	Each	Per Doz.	Per 100
Strong Flowering Bulbs	$0.30	$3.00	$20.00

GREENHOUSE AND GARDEN PLANTS

Unless instructed to the contrary, all orders are forwarded by express at buyer's expense.

CONVEYANCE OF PLANTS

PARCEL POST. When requested we send small orders by this means, but always prefer to send **BY EXPRESS,** as we can send larger plants, pack more carefully, and they arrive in better condition. We add extra plants to help defray express charges. Please remit extra money as follows for postage:

Single plants, 5c; 3 plants, **10c;** 6 plants, **15c;** 12 plants, **20c.**

For Parcel Post Rates, see inside front cover.

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

Bedding plants are ready May 1st, and should not be planted sooner.

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. or Canada when sent by **express.** If forwarded in any other manner they are entirely at the risk of the purchaser.

☞**NOTE:** The term **(exp).** after a price denotes to be sent **by express.**

ABOUT PRICES OF PLANTS

Where the price each is given, these are our rates for 3 and 12 of a kind.

Each	3 for	Dozen	Each	3 for	Dozen
15c	40c	$1.50	35c	$1.00	$3.50
20c	50c	2.00	40c	1.10	4.00
25c	65c	2.50	45c	1.25	4.40
30c	80c	3.00	50c	1.40	5.00

Bedding Plants

	Each	Doz.	100
ABUTILON Savitzi. Leaves variegated green and white. 12-18 in. For borders	$0.10	$1.00	$7.00
AGERATUM, Little Blue Star. Flowers intense blue. 6 to 8 in. For borders	.10	1.00	7.00
3 in. pots	.15	1.50	10.00
ALTERNANTHERA, Green or Red foliage. 4 to 6 in. For carpet bedding and edging	.10	1.00	6.00
Brilliantissima. Broad bright red foliage; dwarf and compact	.10	1.00	6.00
ALYSSUM, Vaughan's Little Gem. The best pure white dwarf Alyssum. Height 4-6 in	.10	.75	5.00
AMARYLLIS, Giant Hybrids. A very fine strain of seedlings. Grand variation of bright colors. Large Bulbs **(exp.)**	1.00	10.00	.....
Small plants prepaid	.25	2.50	.....
ANTIRRHINUM, (Snapdragon) Vaughan's Select Tall Strain. Pink, red, white, yellow or mixed	.10	.75	5.00
Nelrose. Lovely flesh pink	.15	1.50	10.00
Silver Pink. Beautiful shade	.15	1.50	10.00
ASTERS, Vaughan's Giant Branching. Lavender, red, rose, pink, shell pink, purple, white or mixed. Transplanted seedlings	.05	.30	2.00
Pot grown, 2 in	.10	.60	4.00

Begonias, for Outdoor Bedding

Fairy Queen. Flowers, deep pink, changing to rose; green leaves. 10 to 12 in	.10	1.00	6.00
Erfordia. Rose pink; green and bronze foliage. Compact grower. A mass of flowers	.15	1.00	6.00
Gloire de Chatelaine. Silvery pink, compact habit, strong, vigorous grower, carrying its flowers well above the foliage	.15	1.00	6.00
4 in. pots	.25	2.50	20.00
Luminosa. Bright scarlet. Red foliage	.10	1.00	6.00
CALADIUM Esculentum. (Elephant's Ear.) Started plants, 5 in. pots	.30	3.00	20.00
Started plants, 6 in. pots	.40	4.00	30.00
Fancy Leaved. (See House Plants, page 110.)			
CASTOR OIL BEAN PLANT. (Ricinus) Green or **Red** foliage plants for center of beds. Tall	.10	1.00	6.00
4 in. pots	.15	1.50	10.00
CENTAUREA Gymnocarpa. (Dusty Miller) Grayish leaves. 8 to 12 in. For borders	.10	1.00	6.00
3 in. pots	.15	1.25	8.00
COLEUS, Anna Pfister. Bright yellow and crimson. 12 to 14 in	.10	1.00	6.00
Black Prince. Similar in size and shape of leaf to the Pfisters but so dark as to be almost black.	.10	1.00	6.00
Golden Bedder. Large yellow leaves. 12 to 14 in.	.10	1.00	6.00
John Pfister. Crimson, edged gold. 12 to 14 in.	.10	1.00	6.00
Verschaffeltii. Dark crimson leaves. 12 to 14 in.	.10	1.00	6.00
COSMOS, Early Flowering. Crimson, pink, white or mixed. Fine for cut-flowers	.10	1.00	6.00
Lady Lennox. Late, shell pink. Large flowers	.10	1.00	6.00
Late Giant Flowering. Crimson, pink, white or mixed	.10	1.00	6.00
DAISY, (Bellis Perennis,) English Mammoth. Pink or white	$0.10	$0.75	$5.00
DRACAENA Indivisa. Long narrow green leaves; useful for vases, beds and window-boxes. 3 in. pots	.15	1.50	.....
4 in. pots	.25	2.50	.....
Larger plants, **each 50 cents, 75 cents and $1.00.**			
ECHEVERIA. (Hen and Chickens) Grayish. For carpet bedding	.10	1.00	6.00
FEVERFEW, Double White. For borders	.10	1.00	6.00
Golden Feather. 4 to 6 in. For borders	.10	.75	5.00

Fuchsias

Easy of culture in partly shaded location. They are suitable for growing outdoors either in beds, pots, boxes or vases.

Black Prince. A misnomer as far as name is concerned, being of a bright, waxy carmine; tube and plants large and broad, with pale green tips, large, open pale pink corolla.

Coral. Ornamental purple-leaved variety covered with racemes of coral red flowers. Quite distinct in form to the ordinary variety, the flowers being long and tubular in shape. Free-blooming desirable Novelty.

Elm City. One of the best; sepals a rich crimson; corolla deep purple and very double; free flowering and easy to grow.

Gerbert. Sepals, bright, red, corolla reddish purple blotched carmine red.

Minnesota. Tube and sepals light pink, corolla violet purple.

Mons. Thibaut. A splendid variety, with large, handsome foliage of a delightful green tint; the foliage alone would make it worthy of cultivation. The flowers are single, rose vermillion, tinted violet.

Phenomenal. The flowers are of enormous size, sepals bright scarlet, with rich violet-purple corolla, very double.

Riccartoni. Graceful shrub-like plant, very compact and twiggy, covered during the summer with small bright red blossoms. Grows in almost any soil and is especially good for planting under trees and other shady places. Its attractive flowers and graceful branches form a pleasing and lasting picture. Very useful for porch or lawn decoration when planted in tubs or large pots. In the fall after one or two good frosts, move the plants into a cool dry place where they should remain until planting time the following spring.

Speciosa. Pale red tube and sepals; dark red corolla, there frequently being from thirty to forty flowers on a single branch.

Each of the above strong plants, each 15c; doz. $1.50; 3½-in. pots each 25c; doz. $2.50.

	Each	Doz.	100
GERANIUMS.—See next page.			
HELIOTROPE Centefleur. Dark purple	$0.10	$1.00	$6.00
Mammoth Mixed, 4 in. pots	.20	1.75	12.00
LOBELIA, Bedding Queen. Dark blue	.10	.75	5.00
MARGUERITE, Mrs. F. Sander. New white	.15	1.25	8.00
4-in. pots	.25	2.00	15.00
Queen Alexandra. Pure white	.15	1.25	8.00
4-in. pots	.25	2.00	15.00
MUSA Ensete (Banana Plant)	.35	....	....
Larger Plants at **50 cents to $3.00 each.**			
PANSY, Vaughan's International Mixture. Transplanted. **Per 1000, $30.00**	...	.50	3.50
PENNISETUM Longistylum. Graceful white plumes. 12 to 18 in. For borders of Canna beds.	.10	1.00	7.00
Ruppelianum. Purplish plumes. Beautiful foliage. 3 ft. For borders of Canna beds	.10	1.00	7.00

SCILLA MARITIMA (Sea Onion)

Bedding Plants

Continued

PETUNIA, Purity. Double white. **Each 15c; per doz. $1.50.**
Rosy Morn. Rose with white markings. **Each 10c; per doz. $1.00; 100, $6.00.**
Finest Double Mixed. Each 15c; doz. $1.50.
Single Fringed Mixed. Each 10c; per doz. $1.00; 100, $6.00. 4 in., each 15c; per doz. $1.50.
PHLOX Drummondii. Pink, scarlet, white and mixed. **Each 10c; doz. 75c; 100, $5.00.**
SALVIA SPLENDENS (Scarlet Sage).
Drooping Spikes, 2½ ft. **Each 10c; per doz. $1.00; 100, $6.00.**
Fireball, 1½ ft. **Each 10c; per doz. $1.00; 100, $6.00.**
Zurich, 15 to 18 in. **Each 10c; per doz. $1.00; 100, $6.00.**
3 in. pots. **Each 15c; doz. $1.25; 100, $8.00.**
4 in. pots. **Each 20c; per doz. $1.75; 100, $12.00.**
VERBENA Hybrida. Mammoth pink, purple, scarlet, white or mixed. **Each 10c; per doz. 75c; 100, $5.00.**
Beauty of Oxford. A mammoth flower of a soft pink shade. **Each 10c; per doz. $1.00; 100, $6.00.**
Miss Ellen Willmott. Bright salmon-rose with a white eye. **Each 10c; per doz. $1.00; 100, $6.00.**
Lemon Scented. Delightful fragrance. **Each 15c; per doz. $1.50.**

GERANIUM LUCIFER

Vaughan's Geraniums

New and Choice Varieties

Anna Grothe. Large single flowers. Color salmon changing to rose towards outer edge of petals. Plants robust but compact; large flower trusses held well above the foliage. Very free bloomer. **Each 25c; per doz. $2.50.**

Jubelpaar. Double. Large flowering dark rosy pink, very full and early flowering; low growing. Fine variety for pots or bedding. This variety has a great future. **Each 35c; per doz $3.50.**

Lucifer. Double. Glowing scarlet, very free flowering and large flower heads. An ideal variety for pots or bedding; compact and low growing, extra fine. **Each 20c; per doz. $2.00.**

Bedding Sorts—Plain Leaved

Beaute Poitevine. A favorite semi-double bedder because of its beautiful shrimp pink color.
Columbia. A remarkably free blooming scarlet. Single.
Decorator. A grand semi-double light red, a strong grower and a free bloomer.
Jean Viaud. A beautiful semi-double rose pink with white eye. Large trusses.
John Doyle. A fine rich scarlet, perfectly double. A profuse bloomer.
La Favorite. The best double white bedding Geranium.
Mrs. Francis Perkins. A fine double. Light pink with a white throat.
S. A. Nutt. Best of the dark crimson-scarlet bedders. Perfectly double and a remarkably free bloomer.
Prices of above: **Each 15c; per doz. 75c; 100 $6.00.** 3½ in. **each 20c; doz. $1.50; 100, $10.00.**

Ivy Leaved

Beauty of Jersey. A very free flowering double pink.
Joan of Arc. The only double white Ivy Geranium.
L'Etincelant (New). Double. Glowing red, very strong-growing with fine large flower trusses which are carried well above the foliage. Extra fine for porch and window boxes.
Souv. de Chas. Turner. Rosy pink, double.
Victor Von Shirley. Semi-double flowers, rich glowing scarlet in large trusses; vigorous grower and free bloomer.
PRICES OF ABOVE—Each 15c; doz. $1.50, per 100, $6.00.

Variegated Leaved

Mme. Salleroi. The best border geranium, twelve inches high. Foliage variegated green and white. **Each 15c; doz. $1.50.**

Pansy Geraniums

Easter Greeting. (Ever blooming). Remarkable for its early and free-flowering habit, which in favorable seasons is continued into late fall. The flowers are large, bright amaranth red; dwarf robust growth; the only bedding variety. **Strong plants. Each 25c; doz. $2.00.**

Mrs. Layal. A grand variety, very suitable as a house plant, of easy growth and requiring little attention. **Each 15c; doz. $1.50.**

Decorative and House Plants

ANANAS Sativus Variegatus. (Variegated Pineapple.) In growth resembles the Pandanus. 3-in. pots, **each $1.50.**

ARAUCARIA (Norfolk Island Pine.) 12 in. high, **$1.00 each.** Larger Plants, **each $1.50, $2.00, $3.00** and **$5.00.**

ASPARAGUS Plumosus (Lace Fern.) Fine for table decoration.
Sprengeri. Suitable for hanging baskets and porch boxes. 2½ in. pots, **each 15c; doz. $1.50.** 4 in. pots, **each 25c; doz. $2.00.**

ASPIDISTRA. (Iron Plant.) Green or Variegated. $1.50 and $2.00 each.

AUCUBA Japonica Variegata (Gold Dust Plant.) A valuable decorative plant worthy of more attention. Much prized for hall or porch decoration. 15 to 18 in. high, **$1.00 each, 3 for $2.75;** 24 to 30 in. high, **$2.00 each, 3 for $5.50.** If wanted in tubs add **50c** to the above prices.

CALADIUMS, Fancy Leaved. Dry bulbs, 1½ to 2 inches in diameter. For window boxes, show plants or greenhouse growing they are invaluable. Rich, thrifty leaves,, handsomer than Begonias; marbled, veined and striped with white, pink and dark red. Bulbs should be started into growth about April 1st, in a warm house. **Each 30c; 6 for $1.50; doz. $2.50.**
Started plants of above, same price in May.

CROTONS. The richest of all variegated plants, equally adapted to indoor culture or outdoor bedding. Small plants, **each 30 cents; doz. $3.00.** Larger plants, **each 50 cents; specimens, each $1.00, $1.50** and **$2.00 (exp).**

CYPERUS ALTERNIFOLIUS (Umbrella Plant.) Excellent house or aquatic plant. 3-in. pots, **each 15 cents; doz. $1.50;** 4-in. pots, **each 25c; doz. $2.50.**

DIEFFENBACHIA Magnifica. Foliage shining green, beautifully variegated with pure white spots. **Each 50 cents, $1.00 and $1.50.**

DRACAENA Indivisa. Much used for vases, window-boxes and hanging baskets. 4-in. pot plants, **each 25 cents; doz. $2.50 (exp).** 5-in. pot plants, **each 50 cents; doz. $5.00 (exp).**
Lindeni, Massangeana and **Terminalis** in various sizes for conservatories. **75 cents to $2.00 each.**

FERNS—Boston. Long graceful drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant for tables or pedestals. **Each 15c; doz. $1.50;** Larger, **25c, 50c, 75c** and **$1.00.**

FERNS—Continued.

Nephrolepis Roosevelt. Similar to Boston but with undulated pinnae. Large plants, **each 25c, 50c, 75c,** and **$1.00.**

Nephrolepis Roosevelt, Jr. ("Teddy Jr.") A sport from the above producing short but broader fronds, tapering from base to tip, which droop gently, forming a very graceful plant. Small plants, **each 20 cents; doz. $2.00.** Larger plants, **each 50c, 75c** snd **$1.00.**

Nephrolepis Whitmani (Ostrich Plume Fern.) Finely divided fronds resembling a plume. **Each 20 cents; doz. $2.00.** Larger plants, **each 50c, 75c, $1.00** and **$1.50.**

Adiantum Hybridum (Maiden Hair.) Each 20 cents; doz. $2.00.

Small Ferns for Dishes. We sell thousands of these handsome ferns, dwarf in habit, for fern dishes. One each, 8 distinct varieties. **Each 10c; doz. $1.00,**

PANDANUS (Screw Pine) Utilis. Green leaves, red spines. **50 cents and 75 cents each.**
Veitchii. Variegated green and white. **$1.00, $2.00 and $3.00 each,**

HYDRANGEA Otaksa. Deep rosy pink flowers in large clusters. Fine for porch and lawn decoration. 2-yr. at **50 cents each;** 3-yr. at **$1.00 each.** Specimens in tubs, **$3.00 and $5.00.**

PALMS. We have **Kentia Belmoreana** and **Forsteriana, and Phoenix Canariensis** and **Roebelenii;** fine plants at **50 cents each and up. Sizes and prices on application.**

Scilla Maritima (Meer Zwiebel, Sea Onion)

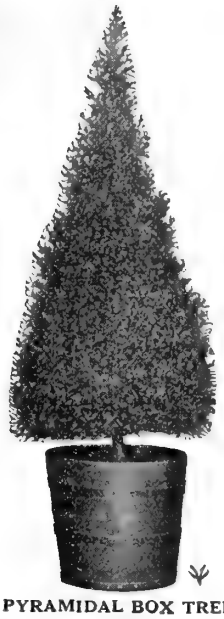
Distinct from Ornithogalum Caudatum erroneously called Sea Onion. Native of the Mediterranean region, and little known in this country. Bulbs sometimes weigh 15 lbs., grown for medical purposes, chiefly for the preparation of Syrup of Squills, the popular Croup remedy. Also has emetic and cathartic properties. The extract is prepared from the middle layers, the outer scale and center being rejected. Forms plants about 2 ft. high, and bears long racemes of whitish flowers. Botanists say that this plant wards off snails in its vicinity.
Each 15c, 20c and 35c according to size.

Prices given on application for filling Window Boxes, Hanging Baskets, etc., with Ferns, Palms, Shrubs and Flowering Plants.

BOX AND BAY TREES

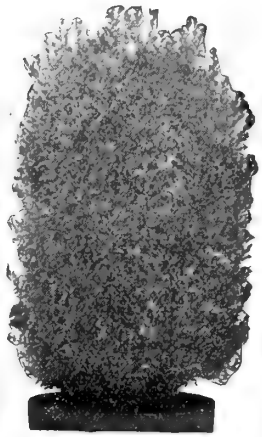
FOR PORCHES, VERANDAS, ETC.

STANDARD BAY TREE



PYRAMIDAL BOX TREE

GLOBE SHAPED BOX TREE



BUSH SHAPED BOX

BAY TREES

There is nothing to approach these handsome trees for decorating porches, piazzas or hall entrances, and they are largely used for stately effects in formal gardens.

The oval leaves are a dark olive green and sweet scented. Will stand only slight frost. We handle a large stock of valuable and shapely specimen trees grown in standard and pyramidal form.

Standard or Tree Shaped

Stem.	Crown	Each	Pair
30 to 36 in.	24 in.	$ 9.00	$16.50
42 to 45 in.	26 in.	10.00	18.00
42 to 45 in.	28 in.	12.00	22.00
42 to 45 in.	30 in.	15.00	28.00
45 to 48 in.	34 in.	18.00	34.00
45 to 48 in.	40 in.	22.00	40.00

Dwarf Baby Standards

Stem	Crown	Each	Pair
24 to 30 in.	24 in.	10.00	18.00

Pyramidal Trees

Height	Base	Each	Pair
5 ft.	24-26 in.	$12.00	$20.00
6 ft.	26-28 in.	14.00	26.00

BOX TREES

Sheared into compact shapé these Box Trees make beautiful specimen plants in any form and can be used for all decorative purposes like the Bays, but at less expense. The Bush plants can also be used with telling effect for window boxes. All except the bush shaped plants are in plain, green tubs.

Pyramidal Shaped

Height	Each	Pair
2½ ft.	$ 3.00	$ 5.50
3 ft.	4.00	7.50
3½ ft.	4.25	8.00
4 ft.	6.50	12.00
5½ ft.	12.00	20.00

Globe Shaped

Stem	Crown	Each	Pair
15 in. high...	15 in. diameter	$4.00	$7.50
18 in. high...	18 in. diameter	5.00	9.00

Bush Shaped

Height	Each	Pair	Doz.	100
10-12 in...	$0.50		$5.00	$38.00
18 in...	.85	$1.60	9.00	
24 in...	1.50	2.50		
30 in...	3.25	6.00		
36 in...	5.50	10.00		

SURPRISE COLLECTIONS OF CHOICE PLANTS

All orders for these Surprise Collections will be acknowledged and entered on our books as received. We shall commence sending out the same by **MAY 25,** except where noted, and all will be sent within two or three days from date. We cannot send them out before the above mentioned date.

This, then, is the object of offering these "Surprise" Collections regardless of value. The plants are not inferior or worthless stock, but are often **valuable high-priced varieties.** The consumer is therefore able to get much for little and no spot should be allowed to grow wild, untilled.

Surprise "Canna" Collection

10 DIFFERENT VARIETIES OF THE NEW EVER-BLOOMING CANNAS
For 75c, prepaid

Includes crimson, scarlet, yellow spotted, gilt edged, orange, bronze-leaved, large flowering kinds.

Surprise "Dahlia" Collection

12 for 75c, prepaid

We will include in this collection 12 Dahlias selected from our grand collection of varieties. All different. This collection would be cheap at double the price.

Surprise Collection Bedding Plants

20 bedding plants, such as Ageratum, Lobelia, Verbena, Begonias, Cosmos, Geraniums, Cannas, etc.

For $1.00 by express at customer's expense

Surprise "Shrub" Collection

Ready May 1st

For $1.00 we send 6 Hardy Ornamental Shrubs, our selection of sorts, **2 to 3** feet high by express at customer's expense. These will be first-class bushes.

Surprise Collections of Garden Roses

(See pages 120)

Surprise "Geranium" Collection

12 BEAUTIFUL GERANIUMS
For 75c, prepaid
Single and double from 2½ in. pots.

Surprise "Chrysanthemum" Collection

12 CHRYSANTHEMUMS
ALL DIFFERENT AND DISTINCT SORTS
Ready May 20th
For 75c, prepaid
This collection will be made up of best sorts only.

Surprise Collection Hardy Perennials

Ready May 1st

For $1.00 we will send by express, at buyer's expense, 20 **Choice Hardy Perennial plants,** all different, regular price $1.50 per dozen.

A Model Combination Bed—10 Feet in Diameter (See cut page 113).

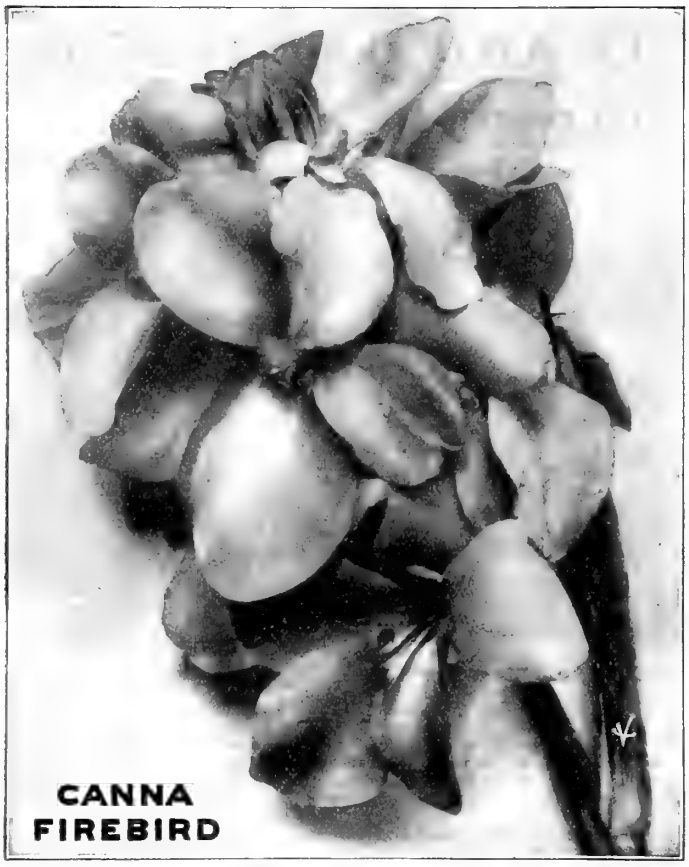
Center.....1 Castor Bean
1st row, 36 in. Diameter, 6 Canna King Humbert.....18 in. apart
2nd row, 66 in. " 14 Pennisetum Longistylum.....15 in. apart
3rd row, 90 in. Diameter, 23 Geranium S. A. Nutt.....12 in. apart
4th row, 106 in. " 40 Geranium Mme. Salleroi..... 8 in. apart

The Collection Complete in Small Size plants, $6.50; Large Size plants, $9.00. By express at buyer's expense.

We do not hesitate to recommend this bed to our customers as being very desirable not only for furnishing a fine variety of plants which harmonize well at a very low cost, but also because it may be increased in size easily without losing its proportions and attractiveness, In fact we find that the larger sizest are better because the beauty is emphasized.

It must be borne in mind that the Castor Bean, Pennisetum, and Mme. Salleroi Geraniums are rapid growing and come to maturity sooner than the rest of the plants in the collection and nothing is to be gained by getting large plants of these. It is for this reason and no other that we do not attempt to supply plants of these larger than those from 2½-in. pots. This must be understood when we quote on the "Larger Size."

Larger Sized beds priced on request.



CANNAS

With their gorgeously colored scarlet, yellow and gold spikes, and brilliant tropical foliage, Cannas present a grand display from July until frost, and for large lawns, public parks, railroad grounds, etc., they are indispensable, and in ever-increasing demand.

The study and culture of the Canna has been one of the chief features of our business for the past twenty years or more, and today we are proud of having one of the largest and best collections extant, the ten acres at Western Springs which we allot to them annually being a wonderful sight during August and September, and the admiration of all visitors. Besides the standard sorts here mentioned we grow many seedlings, chiefly of the Crozy type, discarding old varieties as they are replaced by new and improved sorts, notable among which are "King Humbert," "Chas. Lutz," "Hungaria" and "Firebird," the finest scarlet Canna of the present time. Our importations of Canna novelties began before the Chicago World's Fair, and at that fair and since, at Omaha, Buffalo, St. Louis, we have won grand medals for our exhibits of these plants.

Culture.—Cannas should be planted in good, rich garden soil, mixed with half of old rotten stable manure, by the end of May, when danger from frost is past. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants about 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds.

FIREBIRD

The best red-flowered green-leaved Canna

This is by all means the very best red-flowered, green-leaved Canna today. The flowers are borne in immense trusses, on strong stalks well above the leaves. They are of splendid form, round and shapely. The petals measure and sometimes exceed 2½ inches across, and the color is a clear glistening scarlet without any streaks, spots or blotches.

We have seen and tested many varieties during the years we have devoted to their culture and have never seen one that can approach it. Customers who have grown this Canna speak of it in the highest terms of praise, repeating and increasing their orders each year. We have a fine stock to offer this year and would appreciate **early orders.**

Strong plants. **Each 75c; 3 for $2.10; doz. $8.00; 100, $65.00**

VAUGHAN'S CHOICE NEW CANNAS

Aigle. 4 ft. Green foliage, with bronze margin. The flowers are large and round, of a clear bright crimson-scarlet, no other markings whatever, carried in large erect spikes well above the leaves. A valuable addition to any collection. **Each 50c; doz. $5.00.**

Altitude. 5½ ft. Bronze foliage, over which stand the magnificent bright scarlet flower spikes. The individual blooms are immense and of great substance. **Each 50c; doz. $5.00.**

Aviator. 4 ft. Foliage green, good sized spike; flowers very large, clear vermilion. **Each 75c; doz. $8.00.**

Ehrenfels. Brilliant clear orange flowers of large size carried in massive trusses over the deep red foliage. One of the best of the dark leaved varieties. **Each 75c; doz. $8.00.**

Fanal. Flowers intense brilliant fiery cinnabar-red, broad petals. Foliage fresh green bordered brown. A strong and vigorous grower, free, early and willing bloomer. Extra good sort. **Each 75c; doz. $8.00.**

Gustave Gompper. 3½ to 4 ft. Flowers of great size and substance, in color a fine golden yellow, the lower petals being slightly splashed with red. A good sturdy plant, with stiff erect stems and large flower spikes. **Each 50c; doz. $5.00.**

Hohenzollern. Beautiful clear canary yellow flowers borne in graceful, large trusses. Broad, green healthy foliage. One of the best of its color. **Each 75c; doz. 8.00.**

Rheinstein. The foliage is remarkably pretty of a velvety fresh green. The flower heads are round, solid and produced in abundance and free succession. The color is that of Begonia Bavaria, a clear, brilliant rosy carmine. Of very free blooming and self-cleaning habit. **Each $1.00; doz. $10.00.**

KING HUMBERT

King of the Bronzed-Leaved Cannas

Giant Flowered. Orange Scarlet. Bronze Leaf.

This remarkable "Gold Medal" Canna has been the sensation of the past six years. It is a cross between the Orchid flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free-blooming character of the other, and the handsome broad leathery foliage with a strong, noble habit.

It is so distinctively in advance of any other Canna that the demand for and use of it has become universal. We have taken the highest awards with it wherever shown in competition. It received a gold medal at St. Louis, being the central figure in our "Grand Prize Exhibit." Be sure to order this one.

	Each	3 for	Doz.	100
2½ in. pots	$0.15	$0.40	$1.25	$ 8.00
3 in. pots	.20	.50	1.50	10.00
4 in. pots	.25	.65	2.50	18.00
5 in. pots	.40	1.10	4.00	25.00

VAUGHAN'S LEADING CANNAS

Of Recent Introduction

Adolph Grimminger. 4½ ft. Foliage broad dark green. Flowers of enormous size, brilliant light carmine. A very effective color. The flower heads are loose and of immense size. **Each 25c; doz. $2.50.**

Charles Lutz. 4½ ft. A magnificent new sort, foliage large, vigorous and healthy green. Flowers very large yellow, might describe this as a green-leaved, yellow-flowering King Humbert, because it has the same massive foliage and immense flowers. **Each 35c; doz. $3.50.**

Garam. 3½ ft. Foliage green, of magnificent growth, trusses very large, flowers of magnificent build, fiery carmine, cinnabar red. **Each 25c; doz. $2.50.**

Hungaria. 3½ ft. Very compact; almost dwarf and of a very luxuriant growth. Leaves bluish green, never burns. Trusses of enormous size, borne well above the foliage. Flowers very large with very broad petals. Color purest La France pink with satin sheen. The most delicate pink in Cannas. **Each 25c; doz. $2.50.**

John Farquhar. 4 ft. Foliage bright metallic brown red of particular beauty. Flowers salmon red, streaked orange. The flowers which are borne well above the foliage form a beautiful contrast over the magnificent leaves. **Each 25c; doz. $2.50.**

Julius Koch. 3 ft. Foliage dark green. Flowers composed of four broad, well rounded, large petals and of the most brilliant blood-red. One of the best reds in our collection. **Each 25c; doz. $2.50.**

Matador. 4½ ft. A grand introduction. Flowers are of the largest size, the petals being very broad and beautifully rounded. The color is rich scarlet, marbled cerise, very striking and distinct; an abundant bloomer. **Each 35c; doz. $3.50.**

Mrs Alfred Conard. 4 ft. Green foliage. Flowers salmon pink of large size on finely shaped flower heads which are borne well above the foliage. **Each 25c; doz. $2.50.**

New Chicago. 4½ ft. Color most brilliant and striking scarlet, without any bluish cast. Strong vigorous grower. **Each 20c; doz. $2.00.**

Oriental. 4 ft. Foliage light green. This is a grand variety in its color, and when massed is very effective. Flowers are golden yellow, tigred with nasturtium red, forming immense spikes, the individual flowers being large and well shaped. **Each 35c; doz. $3.50.**

Queen of Yellows (Konigen der Gelben). 4½ ft. An excellent pure golden yellow. Flowers are large with thick rounded petals, forming immense full trusses. A vigorous plant and abundant bloomer. **Each 35c; doz. $3.50.**

Stuttgartia. 4½ ft. Broad leaves, dark green, of majestic growth, flowers glowing orange-scarlet with canary-yellow band and peculiarly marked and mottled. The mammoth flowers are borne on strong stems and are carried erect above the foliage. The variety has the size of Orchid-flowering Cannas, as well as the richness of the Crozy types. **Each 35c; doz. $3.50.**

A CHARMING FLOWER BED, CANNA "KING HUMBERT" THE LEADING FEATURE

VAUGHAN'S BEDDING CANNAS

PRICES—except where noted are as follows:

	Each	3 for	Doz.	100
2½ in. pot plants	**$0.15**	**$0.35**	**$1.25**	**$ 8.00**
3 in. pot plants, by express	**.20**	**.50**	**1.50**	**10.00**
4 in. pot plants, by express; this size will be ready May 15, and will commence to bloom in a short time	**.25**	**.65**	**2.50**	**18.00**

ORCHID FLOWERING VARIETIES

Allemania. 4 to 5 ft. Green foliage. The outer petals are scarlet, with broad yellow border. Inside of bloom scarlet and dark red.
Burbank. 5 ft. Green foliage. The flowers are gigantic in size. Toward the inner part the petals show fine crimson spots; all the rest of the flower is of a rich canary-yellow.
Frederic Benary. 5½ to 6 ft. Green foliage. An early bloomer. Its flowers are currant red with orange throat and yellow edge.
Long Branch. 5 ft. The flower resembles a giant flowering Queen Charlotte in the orchid-flowering class, being bright crimson with wide, irregular border of yellow which stands the sun equally as well as King Humbert.
Louisiana. 6 ft. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 in. across. Foliage a glossy green.
Mrs. Carl Kelsey. 6 to 7 ft. Green foliage. Orchid-flowering with narrow edge of purple. Orange scarlet, flaked and striped with golden yellow petals which have a wavy edge.
New York. 5 ft. Dark bronze foliage, with the orchid type of flowers. Will stand the hot sunshine as well as the toughest varieties of Cannas. The color is a solid rich scarlet covered with a beautiful glowing sheen.
Wyoming. Bronze foliage. Flowers a beautiful shade of orange.

CRIMSON AND SCARLET SHADES WITH GREEN FOLIAGE

Beaute Poitevine. 3½ ft. Large crimson flowers of a beautiful shade, much admired.
Chas. Henderson. 4 ft. Crimson flowers. Good bedder. Roots winter well.
Comte de Sachs. 4 ft. One of the very best. Early and free. Color clear crimson scarlet. Flower heads large.
Milwaukee. 3½-4 ft. Flower rich deep maroon, darker than the Duke of Marlborough. We find it the darkest of all Cannas.
Prince Wied. 3 ft. Foliage dark green. Flowers of extra size, borne in massive clusters and of a fiery velvety blood-red. One of the best dwarf red Cannas.
The Express. 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna.

BRONZE-LEAVED VARIETIES

David Harum. 3½ ft. Dark bronze foliage. Strong grower and one o the freest blooming Cannas we have ever seen.
Discolor. 6-8 ft. Used for foliage effect, musa-like foliage.
Egandale. 4 ft. Bronze foliage. Considered by experts the best in this class. Strong compact flower spikes. Color currant red.
Leonard Vaughan. 4¼ ft. Rich deep bronze foliage. Very strong grower. Flowers freely. Color bright scarlet.
Wm. Saunders. 3½ ft. Rich bronze foliage. Flowers a deep rich, shining scarlet. 2½ in. pot plants, **each 20c; doz. $2.00; 100, $15.00.**

GILT EDGE VARIETIES

All have green foliage and scarlet flowers with yellow edges.
Gladioflora. 3½ ft. Green foliage. Crimson changing to carmine rose, edged with gold. Petals are rounded and white, overlapping each other. **Each 20c; doz. $2.00.**
Halley's Comet. 3 to 4 ft. Green foliage. Blazing scarlet, pure yellow in the throat with a narrow thread of gold around each petal's wavy edge.
Mad. Crozy. 3½ ft. Vermillion with gold border. The sort which popularized the Canna.
Multiflora. Very bright vermillion with a narrow golden yellow border. Extra free bloomer, carrying three and four perfect flower spikes at one time.
Queen Charlotte. 4 ft. Rich orange-scarlet with a broad gilt edge.
Souv. de A. Crozy. 4 ft. The flowers are scarlet-crimson bordered yellow.

YELLOW SHADES, GREEN FOLIAGE

Buttercup. 3½ ft. A true bright buttercup yellow, large.
Dwarf Florence Vaughan. Similar to Florence Vaughan, but one-third shorter, never exceeding 3½ ft. Color, golden yellow, thickly dotted with bright red.
Florence Vaughan. 5 ft. The most famous of yellow Cannas. It still remains the best type of Canna. The flowers are rich golden yellow, thickly dotted with bright golden red.

PINK AND WHITE SHADES, GREEN FOLIAGE

Improved Mont Blanc. Large pure white. The plant is very robust and carries its flower well above the foliage. 2½ in. pot plants, **each 20c; 3 for 50c; doz., $2.00; 100, $15.00.**
Venus. 3½ ft. A soft rosy pink with a pretty mottled border of creamy-yellow.

VAUGHAN'S "MODEL" CANNA BEDS

Four Stirling Designs Complete, with Prices

Note that we offer the plants in two sizes.
Small size, from 2½ in. pots. **Larger size,** from 4 in. pots, ready to bloom.
Planting. Place a stake in the center of the bed and with a radius of 18 inches mark the first row of Cannas. Set the plants 18 inches apart in the row. Increase the radius by 18 inches for each successive row. Plants other than Cannas require different distances.

CANNA BED No. 1

Round, 7 ft. across. 1 Florence Vaughan (for center); **6 Egandale,** bronze (middle row); **12 Mad. Crozy** (outside row). One of the prettiest possible beds.

	Not prepaid	Prepaid
The 19 plants, small size	**$1.75**	**$2.00**
The 19 plants, large size, ready to bloom	**3.00**	**3.50**

CANNA BED No. 2

Round, 7 ft. across. 1 David Harum, bronze (for center); **6 Dwarf Florence Vaughan** (middle row); **18 Salvia Zurich** (outside row). One of the prettiest possible beds.

The 7 Cannas and 18 Salvias, small size	**$2.25**	**$2.50**
The 25 plants, large size	**3.75**	**4.00**

CANNA BED No. 3

Round, 10 ft. across. 19 King Humbert (for center and two rows) **36 Pennisetum Longistylum** (outside row), from 2 in. pots. **This bed complete** (the Cannas from 3 in. pots), **$5.00, by express.**

CANNA BED No. 4

Round, 10 ft. across. 19 King Humbert (for center and two rows) **21 Caladium Esculentum** (outside row, 15 in. apart), from 5 in. pots. **Complete** (the Cannas from 3 in. pots), **$7.00, by express.**
Diagram showing how to plant will be sent with each shipment of Canna beds.

We recommend the following as most desirable for beds of solid colors. For round Canna beds 7 ft. in diameter, 19 plants; 10 ft., 37 plants; 13 ft., 61 plants.

Beaute Poitevine	**Milwaukee**	**Florence Vaughan**
Buttercup	**Souv. de A. Crozy**	**Mad. Crozy**
David Harum	**Comte de Sachs**	**The Express**
Egandale	**Dwarf Florence Vaughan**	
King Humbert		

Canna Firebird is the most notable novelty in its class. It attracted much attention at the Minneapolis Convention of the American Florists in August, 1913

If by Parcel Post add postage as Specified on page 109

SINGLE CHRYSANTHEMUM

HARDY CHRYSANTHEMUM

POMPON CHRYSANTHEMUM

CHRYSANTHEMUMS

VAUGHAN'S SELECT COLLECTION OF RECENT INTRODUCTION

Chieftain. Deep, clear pink, incurved in type on the order of Major Bonnaffon. A very fine, midseason pink variety, with perfect stem and foliage. **Each 30c, doz. $3.00.**

Daily Mail. A little late this year for any but the later exhibitions. Growth, foliage and flower are alike, enormous. Color is a deep buttery yellow what Wm. Turner is in white. Tall grower, seven feet. **Each 30c, doz. $3.00.**

Gertrude Peers. Very beautiful crimson, which never burns, and shows the crimson color clear through, having no golden reverse. Beautiful, high-class variety. **Each 30c, doz. $3.00.**

James Fraser. The improved F. S. Vallis, color, a deep canary yellow flower of exceptional size, stem rigid, with foliage well up to the bloom. **Each 50c, doz. $5.00.**

Mrs. Ernest Wild. Chestnut crimson with a bronze reverse. One of the most reliable varieties we have ever disseminated. Does not damp a petal and seems to come equally well on any bud, early or late. Certificated C. S. A. New York. Height five feet. Foliage droops on stem, which permits close planting of this variety. **Each 50c, doz. $5.00.**

Mrs. Paul Moore. Certificated in New York, October 18th, on both commercial and exhibition scales. Color magnificent light yellow; stem perfectly stiff and foliage right up to the flower. **Each 50c, doz. $5.00.**

Mrs. W. E. Tricker. Lovely flower of an enchanting shade of pink; petals slightly curved at the tips and on the whole produce a tremendous flower. **Each 30c, doz. $3.00.**

William Turner. This variety has created a sensation as exhibitied at the shows. Makes a perfect ball of the purest possible white and as such will displace Merza and all others of that character on the exhibition table. **Each 15c, doz. $1.50.**

One each of above set, $2.70; by mail, $2.85.

CHRYSANTHEMUM SET FOR POT CULTURE

The following list is a selection from over 100 sorts, and embraces the best sorts for pot culture. All early flowering sorts and large handsome flowers.

Price except where noted. Each 15c, doz. $1.50.

A. Barham. A beautiful orange bronze, and very early. Exceedingly popular for pot work. **Each 25c, doz. $2.50.**

August Dasse. A golden yellow, good sized flowers, strong, stiff stem with fine foliage, making it a first-rate variety for pots.

December Gem. A ball-shaped Japanese white, with pink stripe on edge of petals, giving a pink tint to the blooms. Strong stem with ample foliage.

Garza. (Anemone flowered). Purest white with yellow center, medium size petals.

Marion Newell. Color almost a true pink of extra size. Reflexed variety.

May Foster. One of the most popular white varieties. Fine large, pure ivory.

Madam Marques. Blush white, splendid variety and fully developed by Oct. 1st. Amply repays for disbudding and good care. **Each 25c, doz. $2.50.**

Mad. Emile David. Bright rosy carmine. Strong grower, dwarf. Excellent for pot culture. **Each 25c, doz. $2.50.**

Mrs. F. Beu. Striped red and yellow of medium size. Strong grower.

Mrs. Wm. Duckham. Beautiful golden yellow of immense size.

Mutual Friend. Pure white, a large reflexed flower of great depth.

Old Gold. Orange yellow of immense size and good form.

Petite Louis. Beautiful silvery mauve. Plant is a very strong grower and one of the most satisfactory varieties for early pot culture. **Each 25c, doz. $2.50.**

Pink Gem. Pleasing shade of pink, incurved flowers about 6 inches in diameter, perfect form, ideal stem and foliage and wonderful substance, placing this variety in the front rank of the commercial sorts. Height, 4 ft.

Roman Gold. From September buds; a Japanese incurved and deeper yellow than Golden Wedding or Golden Age. Stem and foliage excellent, 4 ft.; in perfection November 1st.

Smith's Sensation. Its delicate shade of cameo pink is greatly enhanced under artificial light; it is closely incurved and of the largest size. August 30th buds give largest blooms, coming November 1st; just right for exhibition.

The Bard. Medium size flower of a deep crimson.

W. H. Lincoln. Bright yellow. A well-known variety and one of the best for pot culture.

Wm. Mease. Bright rosy red strong grower and fine large foliage. One of teh largest in size.

VAUGHAN'S SELECT COLLECTION OF SINGLES

Price except where noted. Each 15c, doz. $1.50.

Caterham Bronze. A lively bronze, early flowering adaptable for pot or bench work. An exceptionally fine variety in this color.

Ceddie Mason. Bright crimson, medium-sized flowers make wonderful display.

Dorothy Dann. A lovely salmon bronze, medium in size, but under artificial light makes one of the most beautiful table decorations ever seen. Flowers are well divided and carried on long and graceful sprays.

Gladys Duckham. The largest single white in existence; three rows of petals with a well shaped eye in proportion to the flower.

Golden Mensa. Bright golden yellow. A sport of Mensa; of medium size. **Each 25c, doz. $2.50.**

Minnesota. A very striking blood red. 2½ inches across, long slender stem.

Mensa. A double row of pure white broad petals with yellow center like a daisy.

Mrs. F. D. Countess. A beautiful silvery pink. Makes a fine pot plant.

Pauline. A golden amber, of dwarf growth. Excellent for pot culture.

Pink Beauty. Flowers clear pink, two rows of petals, fine for sprays.

Phyllis Bryant. Sulphur yellow. Flowers perfect in outline, the finest yellow we know for cutting.

R. B. Burge. Purest single white in existence. Bright yellow center, similar to a pond lily, free and a good grower. **Each 25c, doz. $2.50.**

Stanley Ven. Deep lavender, shading to rose. Sprays well divided and needs but little dis-budding. **Each 25c, doz. $2.50.**

Sweetness. Clear yellow. In this we have a sweet scented Chrysanthemum.

Wm. Buckingham. Very large, lovely shade of intense rose. Strong grower with fine foliage.

CAPRICE DU PRINTEMPS TYPE

Originated in France. A new early flowering strain and ideal for pot culture. Can be planted out in the open ground in May if desired and potted the first part of September, and make beautiful specimens.

Price each 25c, doz. $2.50, set of 4 for 80c.

Butler's Caprice. Flowers deep pink, compact grower, with large foliage.

Mrs. Greening. Flowers pink, with lighter shade in center; fine large foliage and strong stem.

Purple Cap. Purple without any markings. Dwarf compact grower.

Yellow Cap. Bright clear yellow, ball-shaped flowers when developed.

HARDY EARLY POMPON CHRYSANTHEMUMS

These small-flowered or button Chrysanthemums are especially desirable for planting in the garden. They are perfectly hardy, requiring only a slight protection throughout the winter. The colors are varied, ranging through white, pink, yellow and many reds. In the dull days of November when practically every other flower in the garden has succumbed to the frost, these little Chrysanthemums hold full sway with their wealth of blossoms.

The following list embraces varieties that have been thoroughly tested and found suitable in places where frost comes about October 15th and later.

Price each 15c, doz. $1.50.

Charlotte. Deep bronze. **Chiver.** Large pink.

Fairy Queen. A bright pink, large flowering. One of the handsomest of the early Pompons.

Miss Seeley. Pure white, one of the best early varieties.

Uneda. Pure yellow. **Zoda.** Soft delicate pink.

HARDY POMPON CHRYSANTHEMUMS

These small-flowered or button Chrysanthemums are especially desirable for planting in the garden. They are perfectly hardy, requiring only a slight protection throughout the winter. The colors are varied, ranging through white, pink, yellow and many reds. In the dull days of November when practically every other flower in the garden has succumbed to the frost, these little Chrysnathemums hold full sway with their wealth of blossoms.

EARLY VARIETIES

The following list embraces varieties that have been thoroughly tested and found suitable in places where frost comes about October 15th and later.

Price each 15c, doz. $1.25

Charlotte. Deep bronze.

Chiver. Large pink.

Fairy Queen. A bright pink, large flowering. One of the handsomest of the early Pompons.

Miss Seeley. Pure white, one of the best early varieties.

Uneda. Pure yellow.

Zoda. Soft delicate pink.

MID-SEASON AND LATE POMPONS

The following varieties are suitable in places where there is little or no frost, or to grow as pot plants and for sprays.

Price each 15c, doz. $1.25.

Aileen. Clear rose pink.

Diana. Pure white, extra fine.

Golden Climax. Bright golden orange, medium size, perfect flowers, fine foliage and compact growth.

Golden West. Golden yellow, small size flowers, an excellent variety for pots.

Julia Lagravere. Deep red, best of its color.

Helen Newberry. A late white, just as good as the popular variety Diana, which it follows for Thanksgiving and up to Christmas.

Klondike. Brilliant yellow, compact bloom.

Magnificus. Pure white, large size.

Mike Goble. Pure yellow compact flowers of medium size, very free and early.

Prince of Wales. One of the best whites.

Princeton. Brick-red flowers of splendid form, sturdy grower.

Quinola. Clear orange yellow.

HARDY OUTDOOR CHRYSANTHEMUMS

A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 ft. high, thriving in any good garden soil, and to those who desire a bright garden in the fall we can highly recommend them.

CHOICE VARIETIES

Be sure to secure this collection.

Price, Each 15c, doz. $1.50.

Alise. Flowers purest white. Very free bloomer. A dwarf compact grower, can be used as a pot plant, as well as for outdoor planting.

Bijou Rose. A beautiful rose color, free flowering and dwarf growing.

Carrie. 4 in. flowers of a deep golden yellow, blooming from August to October.

Carpet of Snow. Double pure white star-shaped flowers, produced in great abundance. Very early and hardy.

Champagne. Fiery ruby red, fine strong grower.

Goacher's Crimson. Crimson and gold, of fine size, blooming in Aug. and Sept.

TYPE OF LARGE CHRYSANTHEMUM

HARDY OUTDOOR CHRYSANTHEMUMS—Continued

G. Grunerwald. A very fine variety of the Japanese section. The flowers average 5 in., color light pink.

Glory of Seven Oaks. Flowers of the brightest golden yellow, double and of large size, borne on strong upright stems.

Horace Martin. Golden yellow, large and free flowering. Blooms early in October.

Marie Masse. Deep pink; free and early flowering, strong dwarf compact grower. Fine for pot culture and outdoor planting.

Normandie. A light pink of striking effect; free flowering and strong grower.

Pink Harbinger. A deep rose pink, very large and free bloomer.

Provence. Bright pink, with lavender point and center.

Sport of Masse. A yellow sport of Marie Masse of which it is a duplicate in all respects save color.

Tapis d'Or (Carpet of Gold). Golden yellow; free blooming and early flowering. Dwarf grower, making a fine variety for pot culture or outdoor planting.

Dry Roots ready at any time

VAUGHAN'S DAHLIAS

Young Plants ready in May

In the following list we offer what we consider the very best of the foreign and American Dahlias, which we observed in our extensive trials last season when we were enabled to select for variety of form and color, freedom and perfection of bloom and length of season, the following very complete assortment.

The varieties we offer are all pot grown plants, with the exception of those otherwise listed.

Contrary to public opinion we maintain that Dahlia plants are always superior to dry roots, and are willing to take the responsibility of recommending them.

While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until **May 10th to 15th,** but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings.

Dry roots may be had any time, as long as the stock lasts; plants from 2½ in. pots can be supplied **not earlier than May.**

All except the special offers of large field clumps of unnamed and mixed Dahlias, are sent **prepaid to any post or express office in the U. S.**

Full cultural directions accompany every order.

Please state if you want a substitute if our supply of any is exhausted.

VAUGHAN'S EARLY FLOWERING DAHLIAS

After several years trial, we have proven these to be earliest flowering varieties in our collection, flowering as early as latter part of September.

Price except where noted. **Each 15c; doz. $1.50.**

A. D. Livoni. A beautiful soft pink flower with quilled petals, full to the center. An early and profuse bloomer.

Countess of Lonsdale (R.) A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best. **Each 20c; doz. $2.00.** (See illustration next page.)

Crimson Giant. Deep crimson flowers of immense size.

Kaiserin Augusta Victoria. Pure white flowers borne in great profusion on erect, stout stems, fully 18 in. long, all above foliage, . The immense, perfect flowers can be kept in flower until Thanksgiving. One of the most valuable Dahlias, growing about 30 in. high and not requiring support of any kind. **Each 25c, doz. $2.50.**

Lyndhurst. A rich and brilliant cardinal red. Fine for cut flowers.

Merry Widow (Lustige Wittwe.) Deep scarlet flowers of gigantic size on stems 15 in. long and measuring 4 to 5 in. The color is so exceedingly bright that a single plant makes an effective showing. The plant attains a height of only 3 ft. but from the bushy plant arise 30 to 50 flowers.

Mrs. Henry R. Wirth. We always have recommended Countess of Lonsdale as a Dahlia of free flowering habit and that every flower it produces is perfect. Mrs. Wirth is a splendid companion to this, having all the qualities of the former. In color a rich glowy intense scarlet. **Each 35c, doz. $3.50.**

Pink Century. Delicate soft pink, similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage. **Each 20c, doz. $2.00.**

Storm King. Still the finest of all white Show Dahlias. An extremely early, profuse and constant bloomer, a strong vigorous grower of branching habit, producing large, perfect shaped flowers on long stiff stems. One of the finest for cut flowers. **Each 20c, doz. $2.00.**

Sylvia. White shading to soft pink on the outer petals which are of great substance. The flowers measure about 5 in., are fine in form and full to the center, making it a great shipper. The plant is a strong and healthy grower.

Volker. Clearest canary yellow; large, exquisite Cactus form. An early and extremely profuse bloomer, the plants being literally covered the entire season.

Wm. Agnew. The richest shade of intense, dazzling red. Flowers are large, measuring more than 5 in. in diameter.

Special offer No. 115. The above set of 12 for $1.75; by mail, $1.95.

CACTUS DAHLIAS

The cactus forms of Dahlias are exceedingly beautiful, and are hard to excel. They have long twisted petals and embrace nearly all the colors and shades to be found in any of the other types. The advances made in these in recent years is very noticeable, some charming blends of color being introduced, together with a form of flower which is a great improvement on the old varieties. To produce the finest flowers most of the side shoots or laterals should be pinched out when the plants get strong, leaving the terminal buds, which then make fine flowers.

CHOICE AND RARE SORTS

Price, except where noted, Green Plants, **each 25c,, doz. $2.50.**

Aurora. An attractive soft pink, slightly tipped white, brilliant golden in the heart. One of the best Dahlias for exhibition, being colossal in size, elegant in form, most perfect in type and of the most exquisite coloring.

Charles Clayton. Color is a most intense red, as vivid as to dazzle the eye. Flowers are large in size and are produced freely. Stems are long, holding the flowers well above the foliage.

Dainty. The ground color is lemon yellow, which shades lighter as the season advances, at which itme the color approaches canary yellow at the base of the petals. Half-way from the base of the petals one notices the beautiful rose-pink. The tips of the petals are golden and the flowers are produced on long, stout stems.

Gunther (R.) Pure white, splendid form, flowers on long stems well above the foliage, a free bloomer and a good keeper. **Each, 30c; doz., $3.00.**

Lawine (R.) A pure white of good form, very free and early flowering. **Each 20c, doz. $2.00.**

Master Carl. Bright amber. A gigantic flower of perfect form with immense and gracefully curved petals. One of the finest in our collection. **Each 20c, doz. 2.00.**

Manzanita. Flowers very large and double, borne well above the leaves. Color, velvety deep scarlet. An early and free bloomer.

Mrs. Geo. Stevenson. Bright yellow. Large blooms with long and narrow petals. Flowers borne on long, wiry stems well above the foliage. Very free blooming. **Each, 20c: doz., $2.00.**

Parsifal (R.) One of the earliest and freest flowering of the white cactus varieties, the flowers are large, of good form, creamy white, produced on fine stems well above the foliage.

Princess Juliana. A fine white, large and of splendid form. Early and free flowering. Strong stems. Fine for cutting. **Each 35c.**

Rheinkonig. Pure snow white flowers of splendid form, 5 inches and over in diameter. These are of great substence, lasting splendidly when cut; they are borne on long, stiff stems held well above the foliage, making it as valuable for garden decoration as for cutting. **Each 35c, doz. $3.50.**

Spotless Queen. Purest white. An excellent variety for cut-flower purposes.

Vater Rhein. A large and beautiful flower borne on long stiff stems. The salmon in the center shades to a pleasing rose at the tips. **Each, 35c.**

Wolfgang von Goethe. A most charming sort, with large, perfect flowers of a rich velvety apricot color.

Special Offer No. 116. One each of the above 14 Cactus Dahlias, green plants for **$3.50; by mail, $3.75.**

COUNTESS OF LONSDALE. (See Page 115)

DECORATIVE DAHLIA, DELICE

STANDARD CACTUS SORTS

Price, except where noted, Green Plants, each 15c, doz. $1.50.

Flora An ideal white with large heavy flowers on stout stiff stems. A valuable cutting variety.

Frau Hermine Marx. A beautiful pink, splendid for cut flowers. Very similar in color to the La France rose and a good bloomer. **Each, 20c; doz $2.00.**

Holsatia. Orange scarlet. One of the freest flowering Cactus Dahlias and perfect in form. Flowers are borne on long, stiff stems.

Pink Pearl. Mellow pink at the base of the petals, shading off gradually to white at the tips, the effect being a soft, rosy pink. Fine for cutting.

Rother. A beautiful dark velvet crimson. The flowers are of perfect shape, very early, free flowering and dwarf in habit.

Strahlenkrone. Intense cardinal red, rich and glowing, with long twisted petals. A very early and profuse bloomer.

Uncle Tom. A deep velvety maroon, almost black.

Volker. Clearest canary yellow; large, exquisite Cactus form. An early and extremely profuse bloomer, the plants being literally covered the entire season.

SPECIAL OFFER No. 116A.—One each of the 8 Standard Cactus Dahlias, green plants, for **$1.00; by mail, $1.15.**

DECORATIVE DAHLIAS

Decorative Dahlias are known by their large flowers and flat petals being intermediate between the Cactus and Show types. Among these varieties will be found those mostly used for cut-flowers since they are those having the greatets substance and are the best shippers. Those we include are the result of careful selection.

GIANT FLOWERING VARIETIES

Price, except where noted, green plants, each 20c, doz. $2.00.

Clifford W. Burton. Bright golden yellow. Very large and early flowering.

David Harum. Bright orange scarlet with deep crimson shadings. Large flat flowers measuring 6 to 7 in. acros. Thick, wide petals, full to the center. Flower stalks are strong and hold the flowers up well above the foliage. Very free blooming and early. We consider this one of our finest decorative Dahlias.

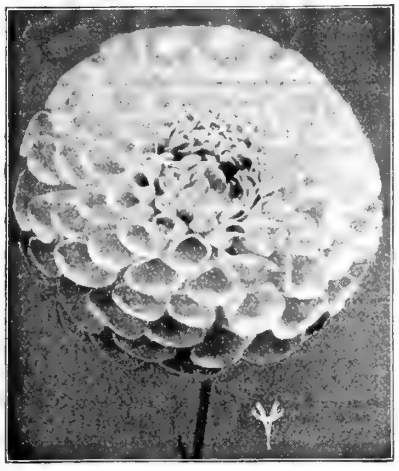
Delice. The finest pink decorative dahlia. Its beautiful soft, yet lively color, a glowing rose pink, borne on long stiff stems, holding its flowers well above the foliage, makes this one of the most decorative sorts in the garden. It is also very valuable as a cut flower as it retains its freshness longer than most varieties. **Each 25c.**

Grand Duke Alexis. Pure white shading to a most delicate and charming shell pink. This grand Show Dahlia is one of the finest of that type. Flower are mammoth in size, beautifully quilled and double. Very free and early **.Each 25c.**

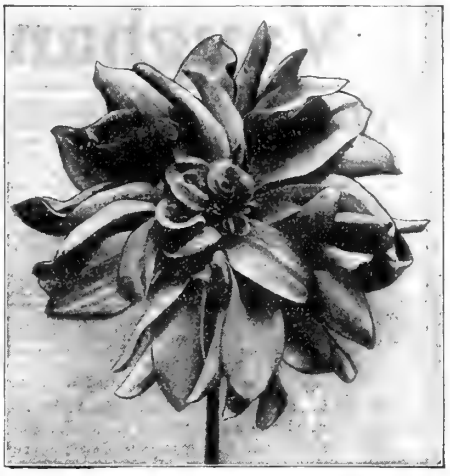
Henry Patrick. A pure waxy white. It blooms very freely, producing flowers from 5 to 7 in. in diameter.

Jeanne Charmet. Bright pink with crimson edges. Flower 7 to 8 in. in diameter, with long, wide loosely formed petals. Center covered with short petals. Flowers borne on fine long stems. Early and extra fine.

Mad. Van den Dael. A soft rose with deeper markings, shading to creamy white in center. A splendid variety for cutting.



POMPON DAHLIA



PEONY-FLOWERED DAHLIA

SINGLE DAHLIA

DECORATIVE DAHLIAS—Continued

Virginia Maule. A most delicate blush or shell pink. A great improvement over Mrs. Roosevelt. The World's Best shell pink. The immense flowers are borne with stately grace on long, erect stems. The plant is very strong and vigorous, growing 4 to 5 ft. high, branching habit, blooming early and profusely.

SPECIAL OFFER No. 116B. One each of the Giant Flowering Dahlias, green plants, for **$1.50; by mail $1.65.**

CHOICE AND STANDARD KINDS

Coronna. A pure white, usually from 2½ to 3 inches in diameter, of most perfect form and remarkably free flowering. **Each 20c.**

Jack Rose. A rich velvety crimson like that of the Jacqueminot Rose from which it derives its name. A grand variety, splendid for cutting; flowers are full in center, measuring 6 to 7 in. across. **Each 75c.**

Majestic. 4 to 5 ft.; decorative, light scarlet, salvia color; whole plant, covered with bloom; the great flowering dahlia. **Each 25c, 3 for $1.00.**

Miss Minnie McCulloch. This is a splendid variety, the color is a soft yellow overlaid with bronze; very handsome under artificial light. The stems are strong. It is a good keeper and makes a good cut-flower. **Each 20c.**

Mrs. Chas. Turner. Pure yellow. A strong grower and profuse bloomer of immense size. **Each 15c.**

Mrs. P. Wyndham. Apricot shaded to salmon in center. Very free and early with wide flat petals. The flowers are large and flat. **Each 15c.**

Perle de Lyon. This is the best white decorative dahlia to date. The flower is perfect in form, pure in color, very free flowering and produced on fine long stems. As a cut flower variety it is a decided acquisition. **Each 20c.**

Queen of Yellows. A beautiful clear color. **Each 15c.**

SPECIAL OFFER No. 117. One each of above, **$1.25; by mail, $1.40.**

SHOW AND FANCY DAHLIAS

Price, Green Plants, each 15c; doz. $1.50.

Show Dahlias are usually of solid color but in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.

Black Diamond. A rich velvety maroon shaded jet black. An early and free bloomer with immense flowers, full and regular in form. The plant is a strong vigorous grower with a dark, glossy foliage.

Bonnard's Yellow. A deep yellow, extra large flowers on long stiff stems.

Frank Goodman. Rich purple, tipped white, distinct.

John Walker. Pure white, Flowers are full and beautiful.

Miss May Lomas. A delicato white, suffused and tipped light lavender. Flowers are of good sise borne on erect, stout stems. A very free bloomer and a fine cut flower variety.

Mrs. Dexter. Reddish apricot, very large and full flowers.

Red Head. Deep red, large flowers, of dwarf, free blooming head.

Yellow Duke. Pure canary yellow, large size, flowers on good stiff stems.

SPECIAL OFFER No. 117A. One each of the 8 Show and Fancy Dahlias, green plants, for **$1.00; by mail, $1.15.**

PEONY-FLOWERED DAHLIAS

Price, except where noted, Green Plants, ea. 20c; doz. $2.00, prepaid.

Peony-flowered Dahlias are those having irregularly curved and twisted petals and are as beautiful as they are odd; the varieties offered are the best we have been able to secure.

Germania. Brilliant carmine, four rows of petals, compact growth.

Glory of Groenekan. Orange yellow, extra large flower.

La Riante. Deep pink flowers. An excellent variety. **Each 35c, doz. $3.50.**

Paul Kruger. White and red flowers on very long stems.

Queen Emma. A charming shade of Hollyhock pink, the inner petals margined with gold. A very large and magnificent sort.

Queen Wilhelmina. This is a splendid variety of this new type with immense pure white flowers,with yellow center. It is very free flowering and the flowers are produced on good stems, making a fine variety for garden decoration.

SPECIAL OFFER No. 117B. One each of 5 Peony-flowered Dahlias, green plants, for **$1.00; by mail, $1.10.**

POMPON DAHLIAS

Price, Green Plants, each 15c; doz. $1.50.

Under this head come those small Bouquet Dahlias that are so popular for cut flowers. Their small size makes them invaluable for bouquets and their range of color is as great as any of the preceding classes.

Anna Londorff Yellow, streaked and blotched carmine.

Elegante Bright pink flowers of perfect form with beautiful quilled petals.

La Petite Barbara The best white Pompon. Free flowering.

Little Herman Deep red, tipped white.

SPECIAL OFFER No. 117C. One each of the 4 Pompon Dahlias, green plants, for **60c; by mail, 70c.**

SINGLE DAHLIAS

Price, except where noted, Green Plants each 15c, doz. $1.50.

These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bouquets. We list the following varieties as being the very best as to color and size of flower.

Black Bird Intense velvety maroon, almost black, red spots at base. Large.

Gold Standard Pure yellow flowers borne on long, graceful stems of finest form and texture and of largest size.

Praxiteles Velvet purple, tipped white. An early and extremely profuse bloomer, making a distinct, unique and striking plant. **Each 20c; doz. $2.00.**

Pres. Viger. Rich claret, shaded lighter at the edges with pure white collar, occasionally rose tinted. Striking and distinct.

Wildfire. The most brilliant fiery scarlet on our list. Flowers very large.

SPECIAL OFFER No. 117D. One each of these 5 Single Dahlias, green plants, for **60c; by mail 70c.**

"NEW CENTURY" SINGLE DAHLIAS

Price, Green Plants, each 20c; doz., $2.00.

They are all of free-branching habit, flowering early, profusely and continuously throughout the season; flowers 4½ to 6 in. across, on stems 3 ft. long, and when cut keep in good condition for many days.

Maroon Century. A beautiful, rich maroon, with a large yellow center. Erect and free flowering.

Scarlet Century. Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.

Twentieth Century. Intense rosy crimson with white tips and white disc around the yellow center. As the season advances the dark colored zone becomes lighter and the color contrast is exquisite. Flowers very large, 5 to 6 in. in diameter.

White Century. A beautiful snow-white of immense size 6 to 7 in. in diameter, making a fine show.

SPECIAL OFFER No. 117E. One each of the 6 "New Century" Dahlias, green plants for **70c; by mail, 80c.**

DAHLIA ROOTS

We can supply the following varieties as long as the stock lasts.

Price except where noted. **Each 25c, doz. $2.50,** by express.

A. D. Livoni.
Bonnard's Yellow.
Countess of Lonsdale. Each 35c, doz. $3.50.
David Harum. Each 35c, doz. $3.50.
Jack Rose.
Lyndhurst.
Pink Century. Each 35c, doz. $3.50
Red Head.
Sylvia.
Yellow Duke.

Unnamed Double Dahlias. Undivided field clumps in white, pink, yellow or red; good sorts, **each 25c; doz. $2.50, by express.**

Mixed Double Dahlias. Undivided field clumps, **each 15c; doz. $1.50, by express.**

Mixed Single and Double Dahlias. Undivided field roots, **each 15c; doz. $1.50, by express.**

For prices of 3 of a kind see page 109

Vaughan's ROSES

New Rose—MRS. F. F THOMPSON

WE again take pleasure in submitting our revised list of roses, new varieties of approved merit having been added, and some of the older ones discarded. We grow roses for stock purposes only, not for a cut of flower trade. Our bushes are therefore not exhausted by bearing a quantity of flowers and consequently produce stronger wood, which is selected for the propagation of our young stock. These are grown under the personal supervision of an expert, are *wintered* in a temperature as low as is essential for their successful culture, and are strong bushy plants, with clean, healthy, well ripened wood.

All orders are handled and packed by experienced hands, and we guarantee safe arrival at destination. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled **than from cities less centrally located.**

Ask for our pamphlet, **"How to be Successful With Roses."**

ROSE NOVELTIES, 1915 (Ready in May)

Countess Clanwilliam. Strong, vigorous, upright wood, producing its flowers in endless abundance. Flowers very large and full, buds long and pointed, opening to large, full, high centred flowers of great beauty and refinement. Colour delicate peach pink at the base of the petals, which are flamed and heavily edged with deep cherry red, a beautiful contrast of colour which brings out in great distinctness the strong individuality. Gold Medal. Strong plants, 3½ in. pots, **each $1.25.** 3 for **$3.25.**

Mrs. F. F. Thompson. Deep coral flesh pink, well formed flowers with high pointed center, stiff erect stems, a sport from Mrs. Geo. Shawyer. Strong, 2½ in. pots, **each 75c,** 3 for **$2.00;** 3½ in. pots, **each 85c,** 3 for **$2.25.**

Hoosier Beauty. Large full well formed flowers of deep rich crimson with darker shadings to center, very free in growth, mildew proof, and fragrant; fine exhibition and garden rose, described by the raisers as the finest red rose. 2½ in. pots, **each 75c,** 3 for **$2.00;** 3½ in. pots, **each 85c,** 3 for **$2.25.**

The above set of 3 for $2.50. **Special rates for larger quantities.**

NEW AND RARE HYBRID TEA ROSES

The following are extra quality stock ready for shipment in May, 1915
Special rates for larger quantities.

Hadley. Hadley is a development from a line of seedlings raised by Alex. Montgomery, Jr., the varieties used in this development being Liberty, General McArthur and Richmond. In color it is deep, velvety crimson, retaining its brilliancy at all seasons of the year. The variety is double and buds are well formed. The fragrance is excelled only by American Beauty. 2½ in. pots, **each 40c,** 3 for **$1.00;** 3½ in. pots, **each 50c,** 3 for **$1.25.** (See illustration on next page.)

Madame Edouard Herriot (Pernet Ducher). "The Daily Mail Rose." This rose has attracted more notice than any other Rose that has ever been introduced. It has won gold medals in England at the International Show, in June, 1912, and again in 1913. The flower is not particularly large, but the color is almost impossible to describe. It is a gorgeous combination of reddish terra cotta with flame-colored shadings. No two artists will agree on the color of this Rose. It is a splendid grower with burnished green foliage and possesses great vitality, and, like many of the new Pernetiana type, mildew proof. 2½ in. pots, **each 40c,** 3 for **$1.00;** 3½ in. pots, **each 50c,** 3 for **$1.25.**

Mrs. Charles Russell. A strong growing Rose. The foliage is heavy and leathery, inclined to slightly curl on the older wood; is almost mildew proof. The bud is fully as large as American Beauty, but longer and pointed, and opens into a flower of unusual beauty. The color is a bright rose pink, deeper in the center. 2½ in. pots, **each 40c,** 3 for **$1.00;** 3½ in. pots, **each 50c,** 3 for **$1.25.**

Mrs. Geo. Shawyer. This Rose is without exception, the finest pink Rose for outdoor planting that has ever been sent out. Growth is free and continuous. Stems are long and the flowers, unlike practically every other pink Rose, do not bleach in the sun but open to a lovely shade of rose pink, a trifle deeper than Mrs. John Laing. 2½ in. pots, **each 40c,** 3 for **$1.00;** 3½ in. pots, **each 50c,** 3 for **$1.25.**

New Rose—MME. ED. HERRIOT

Souvenir De Madame E. Mulnard. Robust free growth, flower large, double and very perpetual, color rose tinted saffron, interior brilliant carmine, reflexed silvery, free and beautiful. 2½ in. pots, **each 40c,** 3 for **$1.00;** 3½ in. pots, **each 50c,** 3 for **$1.25.**

Killarney Brilliant. A splendid improvement on the original Killarney in every way. Color much deeper, more petalage and the best of the sports that Killarney has so far produced. 2½ in. pots, **each 40c,** 3 for **$1.00;** 3½ in. pots, **each 50c,** 3 for **$1.25.**

Ophelia. Color, clear bright salmon often deepening toward golden pink; wonderfully fragrant, with long pointed buds and stiff stems. Large, handsome foliage showing that it is a wonderfully free bloomer and grower and not prone to mildew. Growth free and continuous under all conditions. 2½ in. pots, **each 40c,** 3 for **$1.00;** 3½ in. pots, **each 50c,** 3 for **$1.25.**

Prince E. C. De Arnberg. A red rose of great promise. This rose has a lively clear color, scarlet with deeper shadings, not inclined to turn blue and is especially lively under artificial light, holding its color as the flower lasts. The bud is heavy and pointed, developing into a beautiful full flower of great size and finish. This variety produces no deformed buds and is a quick and continuous grower. The growth is heavy and free with thick leathery foliage which is free from mildew or blackspot and is one which any one can grow. 2½ in. pots, **each 40c,** 3 for **$1.00;** 3½ in. pots, each **50c,** 3 for **$1.25.**

VARIOUS NEW AND CHOICE ROSES

Selected from the best introductions of British and Continental growers, and offered after careful trial on our own grounds.

George Elger (Dwarf Polyanthus). A real golden yellow polyanthus rose, could be called the dwarf Wm. A. Richardson. Flowers very freely and is a good doer, being early, it forces well. Large plants, **each $1.00,** 3 for **$2.75.** Small plants (ready in May), **each 25c;** 3 **for 65c.**

Mad. Jules Gouchault. New dwarf **Polyantha Rose.** A superb variety with exquisite green foliage; blooms in large erect panicles of 25 to 30 flowers, keeping for an indefinite period. Buds when opening show bright vermillion red, slightly tinted orange, opening to a bright pink, when fully open turn to perfectly clear pink, not fading like most roses. Will be much appreciated for bedding, pot culture and for forcing. Large dormant plants, **each $1.50.** Small plants in pots, **each 35c,** 3 for **$1.00.**

Mme. Chas. Lutaud (H. T.). A glorious rose of fine size and shape. The flowers, which are borne on long stems are large and full, of an exquisite deep chrome yellow, often blended with rosy scarlet and shrimp red. It has wonderful lasting qualities, never developing that washed-out appearance that many of this shade do, and with its delightful perfume, it is altogether a perfect rose for any purpose. Large plants, **each $1.00,** 3 for **$2.75.** Small plants (ready in May), **each 25c;** 3 for **65c.**

Marie Jeanne (Climbing Polyanthus). An exquisite white, sometimes shaded salmon. The flowers are large, 40 to 50 being enumerated in one truss. Healthy deep green foliage, and a vigorous grower. Large plants, **each $1.50.** Small plants (ready in May), **each 35c; 3 for $1.00.**

Mrs. Walter E. Martin (H. T.). Large well filled blooms blush white outside with clear rose pink reverse. Small plants, (ready in May), 2½ in. pots, **each 35c,** 3 for **65c;** 3½ in. pots, **each 50c.** 3 for **1$ 25.**

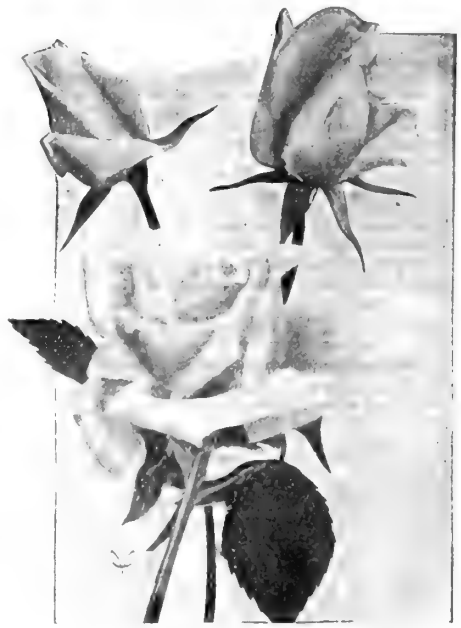
Prince de Bulgarie. Silvery flesh, shaded with salmon, long bud, very distinct and good variety, vigorous. Dormant plants, **each 50c;** 4 in. pots, **each 40c;** 2½ in. pots, **each 20c.**

Souvenir de Marquis Loureiro (H. T.). Bright scarlet shaded coral, changing to purplish rose when fully grown, late in the season becomes orange and coppery red. Small plants (ready in May), 2½ in. pots, **each 25c,** 3 for **65c;** 3½ in. pots, **each 50c,** 3 for **$1.25.**

Triomphe Orleanais (Dwarf Polyanthus). A great improvement on the well known Mme. Levavasseur. The flowers are produced in great abundance, being a bright and constant cherry red. Large plants, **each $1.50.** Small plants (ready in May), **each 35c, 3 for $1.00.** (See illustration, p. 119.)

Yvonne Rabier (Dwarf Polyanthus). This received an Award of Merit, from the R. H. Soc. of England (1912). It is an ideal white, and forms immense well shaped trusses. We predict a great demand for it when it becomes known. Large plants, **each 35c, 3 for $1.00.** Small plants (ready in May), **each 25c; 3 for 65c.**

The prices quoted on this page for 2½ inch pot plants, include postage.



New Rose—COUNTESS CLANWILLIAM

Hybrid Tea Roses

Hardy Everblooming Varieties

THIS class has resulted from crossing the Hybrid Perpetuals with the Tea Scented varieties, and possesses the hardiness of the first with the free blooming habit and fragrance of the later. All have long pointed buds borne on strong stems which make them very valuable for cut flowers. Being so hardy, such free bloomers during the entire summer, and embracing such a wide range of color, they will undoubtedly grow greatly in favor and be much more widely planted than at present, both in small gardens and where large beds are desired

We especially recommend these roses for flowering the summer and fall months and have selected only those that are best in their color and with the most desirable qualities.

Up to May 10 to 15, we can supply 2-year field grown plants of the following list, after that date we offer pot-grown stock only.

PRICES, except where noted, 2-year, field grown, each 35c, 3 for $1.00, per doz. $3.50.

POTTED PLANTS, (after May 10 to 15) each 50c, 3 for $1.35, per doz. $5.00 (by express at purchaser's expense).

Note.—(Exp.) denotes to be sent **by express.**

Avoca. A very desirable velvety crimson rose with large smooth petals. Its freeness of blooming, vigorous habit, and long pointed buds won it a gold medal from the British National Rose Society.

Captain Christy. A very beautiful flesh pink rose, large and free-blooming, deepening to a rosy crimson at the center. Unusually good.

Cardinal. A delightfully fragrant red rose of a strong robust habit, making it a desirable bedder.

Caroline Testout. A grand rose which should be more widely planted. It has become decidedly popular in the West. The flowers are a fine satiny pink, full and fragrant. Excellent for cutting.

Edward Mawley. A handsome velvety crimson of perfect form. A remarkably free bloomer with all the good qualities of a true Hybrid Tea. One of the best of the new sorts. Two-year field grown plants, potted, **each 50c;** 2½-in. pot plants, **each 20c, prepaid;** 4-in., **each 35c (exp.).**

Geo. C. Waud. An exceptionally fine rose, of a glowing orange-vermilion which does not fade. Has won many honors in Europe. Two-year, **each 50c;** 2½-in. pot plants, **each 20c, 3 for 50c prepaid;** 4-in., **each 35c (exp.).**

Gruss an Teplitz. Unquestionably the finest brilliant red, hardy, ever-blooming garden rose. The flowers are very showy and handsome. It blooms constantly and continues covered with flowers the whole season.

J. B. Clark. Growth is vigorous and upright. Blooms are large and beautifully formed; color intense scarlet, strongly fragrant.

Jonkheer Mock. This magnificent new rose came to us with a great European record, and at our greenhouses it has fully verified all advance reports of its merits. It is a splendid robust and free grower sending up strong stems which bear glorious flowers in two tones of color, fiery red within, and silvery white without. The flowers are large and of a fine rounded form. Rosarians have pronounced this variety as one sure to be a world-rose in a class with Kaiserin Aug. Victoria and Frau Karl Druschki.

Kaiserin Augusta Victoria. One of the best white roses, either for bedding or for cut flowers. A tinge of lemon in the center adds to its beauty. Known the world over and is worthy of being planted in every garden.

Killarney. A strong, robust grower and a free, continuous bloomer. The color is brilliant sparkling pink; the flowers are extra large and full, with broad, thick petals and delightful fragrance. A rose of great beauty and excellence.

Lady Ashtown. Pale rose, shading to yellow at base of petals, large full, pointed flowers, which retain their shape well. Free flowering, excellent for all purposes.

Lady Hillingdon (Tea Scented). An exceptionally free blooming variety of a deep golden yellow. Its long pointed buds open beautifully and expose the richness of color in the center for which it is so remarkable. 2½-in. pot plants **each 20c; 3 for 50c, prepaid;** 3½-in. pot plants, **each 35c, 3 for $1.00 (exp.).**

Lyon Rose. Color, shrimp pink at edges of petals; center of flower intense coral red, shaded chrome yellow; free grower and abundant bloomer; flowers large, fairly full, with fine, smooth petals and long pointed buds. We have no hesitation in recommending it to our customers as the most wonderful coloring among roses that has yet been attained. Very fragrant and hardy.

New Rose—**HADLEY** (See page 118)

Milady. Similar to Richmond in color but far richer in the bud. Large and double, opening perfectly at all seasons of the year. In form and fragrance it resembles Gen. Jacqueminot. Strong and sturdy in habit with excellent foliage. Is strongly recommended for these qualities and also for its great reproductiveness and wonderful keeping qualities. **Each 50c.** 2½ in pots **each 25c; 3 for 65c, prepaid;** 3½-in. pots, **each 40c (exp.)**

Mrs. Aaron Ward. (New.) This beautiful rose changes in color as the flower expands; the opening bud is a deep coppery orange, changing when partly developed to golden orange in the center, while the edges of the petals which recurve in a most graceful way are creamy white; the combination is very striking and beautiful. When fully open it is an exquisite shade of pinkish fawn.

Pollaertrose (Improved La France). This grand new variety of a La France pink is a strong grower with large beautifully formed flowers borne very freely on strong, stiff stems. It has all the good points of a first-class rose and is strong where the La France has developed weaknesses, and undoubtedly will replace it in time. 2½-in. pot plants, **each 15c; 3 for 40c, prepaid.** 4-in. pot plants, **each 35c (exp.).** 2-year dormant, **each 50c.**

Rhea Reid. A remarkably fine Hybrid Tea Rose. A vigorous grower, bearing a profusion of large, full, bright crimson flowers, very fragrant and lasting. 2-year dormant plants, **each 50c.** 2½-in. pot plants, **each 15c; 3 for 40c, prepaid.** 4-in. pot plants, **each 30c (exp.).**

Sunburst. A truly great rose which is now classed with the American Beauty and Killarney. It rivals Mrs. Aaron Ward, being a rich coppery yellow of good size and form. Is a strong grower and having long, strong stems, is very fine for cut flowers. 2½-in. pot plants, **each 25c; 3 for 65c, prepaid;** 3½-in. pot plants, **each 40c; 3 for $1.10 (exp.).**

White Killarney. A pure white sport from Killarney, with which it is identical in shape. It is perfectly hardy with light protection. A strong, robust grower, flowering very freely throughout the season. The flowers are very large, buds long and pointed, borne on strong erect stems.

TRIOMPHE ORLEANAIS (See page 118)

Pot Grown Plants (ON THEIR OWN ROOTS)

Cynthia Forde. A delightfully fragrant large double rose of deep shining pink. Sure to be a favorite, it is so free blooming and has such fine long stems. Full and perfect in form. 2½-in. pots, **each 20c; 3 for 50c, prepaid;** 3½-in. pots, **each 35c; 3 for $1.00.**

Caroline Testout. Rose pink.

Gruss an Teplitz. Brilliant red.

Jonkheer Mock. Red shaded to silvery white. 2½-in. pot plants, **each 20c; 3 for 50c, prepaid;** 4-n. pot plants, **each 35c; 3 for $1.00.**

Kaiserin Augusta Victoria. One of the best whites.

Killarney. Bright pink.

Mrs. Aaron Ward. We cannot recommend this variety too highly for bedding and cutting. The best orange-yellow. 2½-in. pot plants, **each 20c; 3 for 50c; per doz. $2.00, prepaid.** 3½-in. pot plants, **each 35c; 3 for $1.00.**

Mme. Segond Weber. Pure flesh salmon rose, entirely distinct. The flowers are very large, composed of large, firm petals, cup-shaped, of regular form. The buds are pointed, oblong, and are borne upright on long, rigid stems. It is an ever-bloomer, making it most desirable for forcing and bedding.

My Maryland. A very choice summer rose of a bright salmon pink with pale edges. It is very free to bloom and remarkably fragrant.

Richmond. Scarlet-crimson, pointed buds, and tall, erect stems; handsome dark foliage. One of the most successful and prolific roses for the garden.

White Killarney. Pure white.

W. R. Smith. Although not new, this is a most desirable ever-blooming summer rose and as a bedder is without a peer. The flowers are creamy white, shaded pink, and are produced with the greatest freedom. It makes a beautiful cut flower. This is one of the roses that should be in all gardens great and small.

Prices of above, except where noted: 2½-in., **each 15c; 3 for 40c; per doz. $1.50, prepaid.** Larger plants, from 3½ or 4-in. pots, **each 30c; 3 for 80c; per doz. $3.00, prepaid.**

VAUGHAN'S "NOVELTY" SET

OUR SELECTION FROM VARIETIES ON PAGE 118

6 strong, healthy, vigorous varieties in different colors, $2.25 (Express).

VAUGHAN'S "EXPOSITION" SET

12 distinct NEW AND RARE VARIETIES, specially selected for climatic conditions of each State, $4.00 (Express).

Hardy Hybrid Perpetual Roses

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure, or leaves is very advantageous, and necessary around Chicago. Masses of these roses may be grouped in separate colors in garden beds or borders with very striking effect, and for decorative cut bloom, though they do not possess all the delicate tints found in the Hybrid Tea Roses, still a table or room may be effectively decorated in one or two colors because of the grand size and form, as well as the ideal coloring of such kinds as American Beauty, Mrs. John Laing, and White Druschki.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux Mixture for insects and fungus, will be found beneficial. They thrive best with applications of manure water, and at least two applications of bone meal (two pounds per square yard) prior to blooming time.

ALFRED COLOMB. Extra large cherry red flowers, very free blooming.

AMERICAN BEAUTY. This is the queen of all roses, being extra large, full and fragrant. The color is a fine deep pink shaded toward the center a carmine crimson. Prices, strong 2½-in. pot plants, **each, 15c., 3 for 40c., doz., $1.50, prepaid;** 3½-in. pot plants, **each 25c., 3 for 65c., doz., $2.50 (exp).**

ANNA DE DIESBACH. Very showy and large pointed buds, a beautiful shade of carmine. A strong grower.

BARON DE BONSTETTIN. Rich, dark red passing to deep velvety maroon, double and full.

BARONESS ROTHSCHILD. Immense globular flowers of a rich satiny pink. Very vigorous and a remarkably free bloomer.

FISHER HOLMES. A deep crimson rose of "Jacque" type but a free bloomer and more fragrant.

FRAU KARL DRUSCHKI. (White American Beauty). This pure white variety has long immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

HUGH DICKSON. Brilliant crimson shaded scarlet, large smooth petals, slightly reflexed on the edges. Very fragrant and vigorous. One of the most desirable sorts.

JOHN HOPPER. A grand rose of a brilliant crimson, bearing large solid flowers which are remarkable for their fragrance and freedom of bloom.

MABEL MORRISON. An attractive rose with pure white, perfectly formed flowers of large size.

MME. PLANTIER. Pure white, large and double, a free and continuous bloomer, fine for cemetery planting.

MAGNA CHARTA. Deep pink, large sweet scented and of fine form, one of the hardiest roses in cultivation and commonly planted.

MARSHALL P. WILDER. A grand rose of large full flowers of a bright carmine red.

MRS. JOHN LAING. A grand, useful rose. Large beautiful pink blooms, borne on long sturdy stems; the gem of the lot.

PAUL NEYRON. An immense rose of a deep rose color. It has excellent foliage and is a very strong grower.

PRINCE C. DE ROHAN. (The Black Rose). Deep velvety crimson passing to intense maroon, fragrant, a strong grower and hardy.

ULRICH BRUNNER. Cherry crimson, large fine form, a good garden and exhibition rose very strong grower and hardy.

PRICE. Extra strong, dormant, 2-year-old field-grown plants supplied up to May 1, each 30c., 3 for 85c., doz. $3.00, per 100 $22.00. (By express).

VAUGHAN'S UNRIVALLED COLLECTION OF 12 BEST HARDY GARDEN ROSES

For description see general list of Hybrid Perpetual Roses above:

Anna de Diesbach. Bright rose.
Baron de Bonstetin. Dark red.
Baroness Rothschild. Pink.
Frau Karl Druschki. White.
Gen. Jacqueminot. Crimson.
John Hopper. Rosy crimson.
Magna Charta. Deep pink.
Mrs. John Laing. Bright pink.
Marshall P. Wilder. Carmine.
Paul Neyron. Rose.
Prince C. de Rohan. Crimson.
Ulrich Brunner. Cherry red.

PRICE. 1 each of 12 above named kinds, $3.00; or 3 of each of above named kinds, $8.00.

TREE OR STANDARD ROSES

HYBRID PERPETUAL varieties. Our selection of the best in the following colors:

PINK RED WHITE

Price each, $1.00; 3 for $2.75; per doz., $10.00.

SURPRISE COLLECTIONS GARDEN ROSES

VAUGHAN'S "SURPRISE" COLLECTION. (H. P.) ROSES

Strong **2-year old dormant** plants, field grown. (Our selection). Per doz. **$2.50;** 100 **$18.00.** (By express).

	Plants	Size Pots	Varieties	Price		Plants	Size Pots	Varieties	Price
No. 13 ..	12	3½ in.	12	$2.50	No. 16 ..	12	2 in.	12	$1.00
No. 14 ..	25	3½ in.	15	4.50	No. 17 ..	25	2 in.	12	1.75
No. 15 ..	50	5½ in.	15	8.00	No. 18 ..	50	2 in.	15	3.00

SPECIAL ROSE COLLECTIONS

We give the names and colors of the varieties in these collections, but late in the season, when some stocks are running short, we reserve the right to substitute, giving the next best in resemblance, unless customers direct otherwise.

THE "GLENCOE" COLLECTION OF 10 HARDY ROSES

Capt. Christy. Flesh.
Caroline Testout. Satin rose.
Duchess of Albany. Deep pink.
Gruss an Teplitz. Brilliant red.
J. B. Clark. Scarlet.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
General McArthur. Bright crimson.
Lady Ashtown. Pale rose.
Mrs. Aaron Ward. Orange yellow.

Price, 2-year-old field grown plants, potted, 1 each of above kinds, **$3.75.** 2 of each **$7.00, (exp).**

THE "LAKE FOREST" COLLECTION OF 15 HARDY ROSES

Cynthia Forde. Fine pink.
Edward Mawley. Velvety crimson.
Gruss an Teplitz. Brilliant red.
Jonkheer Mock. Rose and silvery pink.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
Maman Cochet. White.
Maman Cochet. Pink.
My Maryland. Pink
Mrs. Aaron Ward. Orange.
Pollaertrose. 'La France' pink.
Rhea Reid. Crimson-scarlet.
Richmond. Red.
White Killarney. Pure white.
W. R. Smith. Creamy white.

Price: The collection from 2½ in. pots, **$1.50, prepaid;** 3½ in. pots, **$3.00, (exp)**

FRAU KARL DRUSCHKI

Climbing Roses

ROSE DOROTHY PERKINS

THE demand for climbing roses has always been constant, and the eagerness of the public for "something new" has stimulated the enthusiasm of the hybridists, with the result that year after year improved forms are being presented for awards before various committees of the keenest judges, but it would be impossible for us to list all that have gained recognition. The rose-covered cottage still carries the charms of romance and sentiment, that it has done for hundreds of years. For twenty years our greenhouses have specialized on all these beautiful climbers, and here we offer "all the best."

Note.—The abbreviations used in some of the following descriptions denote:

(C. P.)—Climbing Polyanthus-flowered; flowers or semi-double.

(S.)—Single-flowered. **(Exp.)** after a price—To be sent **by express.**

Where the price for each is—

$0.35, we supply	**3 for $1.00**	**per dozen, $3.50**
.40, we supply	**3 for 1.10**	**per dozen, 4.00**
.50, we supply	**3 for 1.40**	**per dozen, 5.00**
.75, we supply	**3 for 2.15**	**per dozen, 8.00**

Alberic Barbier. (New.) Dark green leaves, bronzy red and glossy in spring. The outer petals of the flowers are a delightful creamy white and the inner a canary yellow. 2-year, **each 50c.** 2½-in. pot plants, **each 20c, prepaid;** 3½-in., **each 35c (exp.).**

AMERICAN PILLAR (S.). A new climber of vigorous habit. The enormous single flowers, sometimes measuring 3 inches across, are borne in large clusters and are produced with the greatest freedom, fairly covering the bush. Color is a delightful shade of rose pink. Broad, glossy, deep green foliage. In the fall the flowers are followed by clusters of red berries. 2-year, **each 50c (exp.).**

Baltimore Belle (C. P.). Your yard is not complete without this grand rose. Will grow 15 feet in one year, and be covered with clusters of large double flowers of a pale blush color. 2-year, **each 35c (exp.).**

Climbing Mme. Cecile Brunner (Cl. Tea). A rose of exceptional merit. The blooms are semi-double, bright rose in the center, shading off to pale pink at the edge, and have a delightful fragrance. We can thoroughly recommend this rose, and have a fine stock to offer. 2½-in. pots, **each 20c, prepaid;** 3½-in. pots, **each 35c (exp.).**

Climbing Clothilde Soupert (Cl. Tea). It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell pink, forming the buds in clusters. 2½-in. pots, **each 15c, (prepaid);** 3½-in. pots, **each 30c (exp.).**

CRIMSON RAMBLER (C. P.). This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced and admired by everyone. It is still one of the easiest of Roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very hardy and a strong grower. 2-year old, **each 50c;** strong 3-year, **each 75c;** extra heavy (splendid plants), **each $1.00, all (exp.).**

Delight (C. P.). A fine climbing rose of recent introduction, having large trusses or corymbs of bright carmine flowers, toning off to pure white at the bases of the petals, which with the central yellow cluster of anthers, makes a very pleasing contrast. Very vigorous, and a profuse bloomer. 2-year, **each 50c;** 3-year, **each 75c (exp.).**

DESIRE BERGERA (Hyb. Wichuriana). A new and very vigorous climbing rose. The flowers, which are of medium size, are double, and produced in clusters of from two to six blooms. The color is coppery rose outside with a clear orange red reverse. Quite a new shade among climbing roses. 2-year, **each 50c;** 3-year, **each 75c (exp.).**

DOROTHY PERKINS (C. P.). The most popular climbing rose of today, and as hardy as the Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading. 2-year, **each 50c;** strong 3-year, **each 75c (exp.).**

EXCELSA (C. P.). A distinct variety in form, color and habit. A vigorous grower. The foliage is dark glossy green. Flowers very double. produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; points of the petals tipped with scarlet. 2-year, **each 50c;** 3-year, **75c (exp.).**

Flower of Fairfield (C. P.). Of the numerous varieties raised in the past few years, this is doubtless one of the best. Its flowers, which are produced in profusion, are of a fine crimson color, and more lasting and brilliant than the common Crimson Rambler. The growth is vigorous, flowering freely and continuously throughout the season. 2-year, **each 50c;** strong 3-year, **75c (exp.).**

HIAWATHA (S.). The petals are deep crimson, shading to a pure white at the base, forming as it were, a large white central disc, encircled by a crimson ring. The plant in full bloom must be seen to be thoroughly appreciated. Flowers very freely, and is undoubtedly one of the prettiest of the single roses. 2-year, **each 50c (exp.).**

LADY GAY (C. P.). The flowers are of a delicate cherry pink color, changing to a soft white. Rich glossy foliage. The effect of a plant in full bloom, is superb, vigorous grower and perfectly hardy. 2-year, **each 50c;** strong 3-year, **each 75c (exp.).**

Marechal Niel (Cl. Tea). A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the south and on the Pacific Coast). For the walls of a vinery or pillars in a greenhouse this is a magnificent rose. 2½-in. pot plants, **each 20c, prepaid;** 3½-in. pot plants, **each 50c;** 5-in. pot plants, **each 75c (exp.)**

PHILADELPHIA RAMBLER (C. P.). This variety is identical with the Crimson Rambler except the color is deeper and more lasting, the flowers are perfectly double to the center, and come into flower about 10 days after the Crimson Rambler. Strong, 2-year, **each 50c (exp.).**

Prairie Queen (C. P.). Color, bright red, changing as the flower opens to deep pink. A splendid rose for porches. Strong, 2-year, **each 35c (exp.).**

South Orange Perfection. (Wichuriana.) Flowers blush pink, fully double, profuse bloomer. 2-year, **each 35c (exp.).**

TAUSENDSCHON (C. P.). This beautiful variety surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft shell pink, same color as Clothilde Soupert, later on changes to rose carmine. 2-year, **each 50c;** strong 3-year, **each 75c (exp.).**

Universal Favorite (Wichuriana.) Blush white, double, one of the memorial set. Foliage beautiful glossy green. Very hardy. Strong 2-year, **each 35c (exp.).**

WHITE DOROTHY (C. P.). This beautiful new rose is the counterpart of the well known Dorothy Perkins, except in the color which is pure white, but it is quite as hardy and vigorous. It has now become a universal favorite. 2-year, **each 50c;** strong 3-year, **each 75c;** extra heavy, **each $1.00 (exp.).**

Wichuriana. (Memorial Rose.) Flowers pure white, foliage bright glossy green. This is a beautiful subject for planting on graves. It creeps along the ground as closely as an Ivy and often grows 10 feet in one season. The flowers are produced in July. 2-year, **each 35c (exp.).**

Rambler Collection No. 121

One 2-year plant of **American Pillar, Excelsa, Lady Gay and White Dorothy for $1.60, not prepaid.**

Tree or Standard Climbing Roses

Crimson Rambler, Dorothy Perkins, Lady Gay

Large bushy heads, on 3-ft. stems, 2-years grafted.

Each $1.00; 3 for $2.75; per doz. $10.00.

TAUSENDSCHON

Dwarf Polyanthus Roses

Including Baby Ramblers

CECILE BRUNNER

These are entirely distinct from the larger flowered sorts and there is a place for both of them in every garden, being so hardy and adapted to so many uses. Masses of 25 or more together will be found to make a very effective planting.

It has been our great good fortune to be in the lead in introducing Baby Ramblers to the American public. Years ago we first offered the Crimson Baby Rambler and followed that by Vaughan's White Baby Ramber. What a wonderful success these have been every one knows. Other choice varieties of this class will be found in the following list.

BABY TAUSENDSCHON. An exact counterpart of the grand climber, "Tausendschon," except in habit of growth. The plants are sturdy and bear immense trusses of flowers of a large size which keep remarkably well after opening. We have found this to be a continuous and profuse bloomer and this "Baby" undoubtedly has a great future. 2 year dormant, **each 50c; 2½ inch pots, each 20c; 3 for 55c, prepaid.** 3½ inch pots, **each 35c.**

CECILE BRUNNER. Here is the ideal cut-flower rose for corsage bouquets and table bowls. To the growing of these beautiful buds one of the largest establishments in California devotes many greenhouses, and in the north section of Chicago many "Cecile Brunners" are being planted for cut-flowers to be sent all over the United States. The delicate buds are of perfect form and color, which at first is rose pink, shading to a deep salmon pink, and showing a rich orange center, toning to a pale flesh color when fully opened. It is a healthy grower beginning to bloom in early June, and continuing until approach of frost. 2 yr. dormant plants, **each 35c; 2½ in. pots, each 15c; 3 for 40c; doz., $1.50 prepaid; 4 in. each, 30c; 3 for 80c; doz., $3.00 (Exp.).**

CLOTHILDE SOUPERT. A truly grand bedding rose pearly white in color shading to a pure rose pink. It has remarkably round double fragrant flowers always borne in clusters. Being the introducers, we take pride in having extra select stock which will bloom continuously during the summer, if given ordinary care. 2½ in. pots, **each 15c; 3 for 40c; doz., $1.50, prepaid;** 3½ in. pots, **each 30c; 3 for 80c; doz., $3.00 (Exp.)**

CRIMSON BABY RAMBLER. Still a favorite. The flowers are borne in clusters of 30 to 40, and the foliage is dark, glossy and profuse. A large bed in our grounds was constantly in bloom until November, even in the hottest weather. 4 inch pots **each 35c;** 2-year dormant **each 35c; dozen $3.50; per 100, $25.00; 3 year,** each **40c; dozen $4.00 (Exp.)**

ERNA TESCHENDORFF. The color of the flowers is the brightest red, being superior to the Crimson Baby Rambler, Jessie, and others. The flowers are large and very double and are produced in constant succession throughout the whole season. It is free from mildew. A great advantage over the Crimson Baby Rambler is that the color does not bleach out under the hot sun. 2½ in. pot plants, **each 20c; 3 for 50c; doz., $2.00;** 3½ in. pot plants, **each 35c; 3 for $1.00;** 2 year dormant plants, **each 40c; 3 for $1.10; doz., $4.00.**

JESSIE. This is a charming novelty constantly in bloom from June until frost appears. The height outside does not exceed 2½ feet. The foliage is bright, glossy green and wonderfully free from mildew. The flowers are of a bright cherry crimson color, which does not develop the objectionable purple or magenta tints. 4 in. pots **each 35c;** dozen **$3.50;** 2-year dormant each **35c;** 3-year **40c;** dozen **$4.00 (Exp.)**

ORLEANS. Color bright red and pink, center slightly shaded white. Foliage bright green. This is a rose of great merit and will undoubtedly become a great favorite for pot culture, forcing and bedding. 2-year dormant plants, **each 35c; 3 for 1.00; doz.,$3.50. (Exp.)**

PHYLLIS. This beautiful Pink Baby Rambler is very popular. It is a beautful carmine pink color. Flowers are produced in continuous succession of large clusters. A most desirable variety. 2-yr. dormant plants, **each 35c; 3 for $1.00; doz., $3.50.**

VAUGHAN'S WHITE BABY RAMBLER. The flowers are borne in clusters of 50 to 75 individual flowers, one inch in diameter and pure snow white. The foliage is dark and glossy and finely cut. Does not grow over 12 inches in height, forming very bushy plants. For cemetery use of great value, being perfectly hardy. 2½ in. pot plants, **each 15c; 3 for 40c; doz., $1.50;** 3½ in. pot plants, **each 30c; 3 for 80c; doz., $3.00.**

TREE BABY RAMBLER

Budded on Rugosa stock in tree or standard shape with bushy two-year-old heads, which will flower beautifully during the Summer and Fall.

CRIMSON BABY, 12 in. and 24 in. stem. Price each, $1.00; 3 for $2.75; doz., $10.00.

RUGOSA ROSES

Very ornamental. Form bushes 5 to 6 ft. high, covered with masses of large single and semi-double flowers. The foliage is deep glossy green, entirely free from mildew, and insect pests, the entire bushes having the appearance of flowering shrubs of exquisite shape and beauty. During winter the red seed-pods or 'berries' are very handsome.

Alba. Crowded with clusters of single pure white flowers, foliage dark green and glossy. Strong 2-year dormant field plants, **each 30c; 12 for $3.00; 100 for $20.00 (exp).**

RUGOSA ROSE

Blanche Double de Coubert. A fine double sweet and pure white flowering variety, producing clusters of from 5 to 10 flowers. It is a vigorous rampant grower, very free blooming and almost perpetual flowering. Flowers measure nearly 5 inches across and are lasting.

Conrad F. Meyer. Very vigorous and strong grower, the flowers which are beautiful in bud, are of clear silvery rose in color, very large and fragrant, superb foliage. **Extra fine.**

Mad. G. Bruant. Blossoms in clusters. Semi-double pure white flowers. The ideal cemetery rose.

Rubra. (True Rugosa Type.) Beautiful single red flowers throughout summer, followed by vivid scarlet seed vessels in the fall. Very free flowering and exceptionally hardy. Strong 2-year dormant field plants, **each 30c; 12 for $3.00; 100 for $20.00, (exp).**

Price, except where noted, **each 35c; 3 for $1.00; 12 for $3.50, (exp).**

MOSS ROSES

These old-fashioned favorites, require close pruning, and a liberal supply of manure. They are all delightfully scented. There are few things more beautiful than a Moss Rose in bud. All are of the easiest culture.

Double Pink, Double Red, Double White. 2-yr. dormant stock. Extra strong plants, **each 35c; 3 for $1.00; doz., $3.50 (exp.)**

TEA ROSES

These are not as hardy as the Hybrid Perpetuals and Hybrid Teas, and during winter require protection, but they possess a delightful rfagrance of their own and exquisite shades of color. Their deep green glossy leaves are also characteristic. Every garden should have a sunny corner allotted to the cultivation of a few, and for the conservatory the well known Marechal Niel (offered in our "Climbing Rose" section) is indispensable.

Cochet Pink. Well known pink bedding rose, deliciously fragrant. 2½ in. pots, **each 15c; 3 for 40c;** 3½ in. pots, **each 30c; 3 for 80c.**

Cochet White. A pure white of finest fragrance and with the good qualities of its parent—the Pink Cochet. 2½ in. **each 15c; 3 for 40c;** 3½ in. **each 30c; 3 for 80c.**

Lady Hillingdon. Golden yellow. 2½ in. pot plants, **each 20c; 3 for 50c, prepaid;** 3½ in. pot plants, **each 35c; 3 for $1.00 (exp.).**

VAUGHAN'S TEA ROSE COLLECTION

One of each of the above three varieties in 3½ in. pots, $1.00 prepaid.

ROSES OF RARER SORTS

Hermosa. (China.) A grand old rose. Flowers borne in clusters, clear bright pink, very double and one of the best. Strong dormant field plants, **each 30c (exp.); per doz., $3.00, (exp).**

Persian Yellow. (Austrian Briar.) The Hardy Yellow rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and among shrubs. **Price,** strong 2-year-old plants, **each 35c; 3 for $1.00; doz. $3.50, (exp).**

Rubiginosa. (True English Sweet Briar.) Valuable for the refreshing fragrance of its leaves. This is the true Eglantine. It is perfectly hardy, and once it is planted, little care is necessary. 2-year, **each 35c, 3 for $1.00, (exp).**

Rubrifolia. (Red-Leaved.) Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. It is one of the most attractive shrubs, among a mass of other shrubs or planted by itself. 2-year, **each 35c, 3 for $1.00, (exp).**

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage. Called the bramble leaved rose. 3-year, **each 40c; 3 for $1.10, (exp).**

Souv. de la Malmaison. (Bourbon.) The finest Bourbon rose sent out for many years. Blooms are double to the center and the color is lovely creamy flesh, with bright rose center. 2-year, **each 35c; 3 for $1.00; (exp).**

MEMORIAL ROSE COLLECTION

Hiawatha. Red. **South Orange Perfection.** Pink.
Universal Favorite. Blush white. **Wichuriana.** White.
One 2-year dormant plant of each for $1.25

For prices of 3 and 12 of a kind where not mentioned, see page 109.

CLIMBING VINES

Flower lovers and gardeners know how indispensable are Vines and Climbers for beautifying one's place, especially near the house. Plant Clematis, Climbing Roses and Honeysuckles about the front porches with perhaps a vine or two of the Chinese Wistaria to climb as high as the roof. Stone or brick walls are always prettier when ivy-clad. Then going around to the rear of the house, if you have a trellis to cover, or want a screen for certain buildings, get more Honeysuckles and if you need something to cover a large space quickly, try the Kudzu vine; the Trumpet Creeper is also good. On the next two pages are the best climbers for arbors, arches, trellises, porches, etc. Remember how pretty an arbor can be. American Ivy or even Grape vines make a good covering.

Actinidia Polygama. (The Silver Vine.) A desirable Japanese climber of vigorous growth, the foliage being a glossy dark green. The flowers are white with purple centers and are followed by clusters of edible fruit. An excellent plant for covering arbors, and where a rapid, dense growth is desired. Strong 3 yr. plants, **each 50c (exp.).**

Akebia Vine. A beautiful hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 2 yr. **35c (exp.).**

Ampelopsis Dumetorum Laciniata. A vigorous sort, leaves digitate and deeply cut. Plants, 1 yr., **each 25c;** 2 yr., **each 35c;** 3 yr., **each 50c (exp.).**

Ampelopsis Engelmanni. (Engleman's Ivy.) One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 yr. **25c;** 3 yr. **35c;** 4 yr., **50c each (exp.).**

Ampelopsis Lowii. A beautiful new Ampelopsis with small palmate leaves, and a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 4-inch pots **each 50c, postpaid.**

Ampelopsis Quinquefolia. (Virginia Creeper or Woodbine.) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 yr. **each 25c; doz. $2.50.** Extra strong, 3 yr., **each 35c;** 4 yr., **each 50c (exp.).**

THE JAPAN OR BOSTON IVY Ampelopis Veitchii

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on brick walls.

PRICES

	By Mail Postpaid				By Express, Not Prepaid			
	Each	3 for	Dozen		Each	3 for	Dozen	100
1 yr.	$0.20	$0.50	$1.50	1 yr.	$0.15	$0.40	$1.25	$ 8.00
2 yr.	.30	.80	3.00	2 yr.	.25	.65	2.25	16.00
3 yr.	.40	1.10	4.00	3 yr.	.35	1.00	3.75	20.00

3 yr. (extra strong), **each 50c; 3 for $1.25; doz. $4.50; 100 $30.00 (by exp.)**

Pot Grown. For late planting (ready June 1). **Each 50c; doz. $5.00 (exp.).**

Apios Tuberosa. A hardy tuberous-rooted climber, resembling in miniature the common Wistaria in vine and foliage, and having clusters of rich, deep purple flowers, which have a strong, delightful violet fragrance. **Each 5c; doz. 50c, postpaid.**

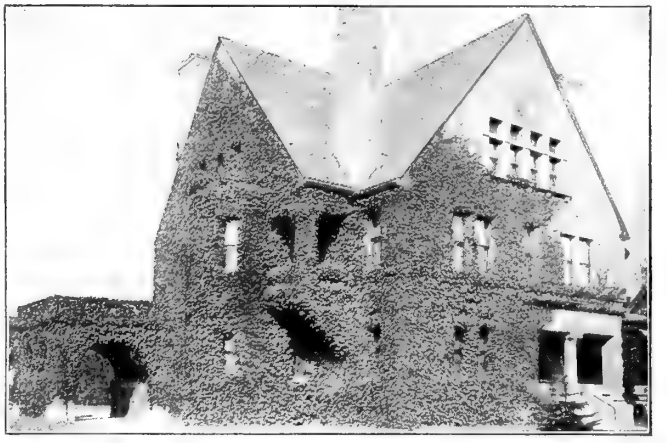
Aristolochia Sipho. (Dutchman's Pipe). Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 yr. **35c,** 3 yr. **50c each (exp.)**

Bignonia Radicans. (Trumpet Vine.) Dark red orange throat, free blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 yr. **each 20c; doz. $2.00;** 3 yr., **each 35c; doz. $3.50;** 4 yr. **each 50c; doz. $5.00 (exp.)**

CLEMATIS JACKMANII

Celastrus Articulatus. (Japanese Bitter Sweet.) A vigorous climber with almost round, bright green leaves, and orange yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens and is one of the best vines to be had for a porch. 2 yr., **each 25c; doz. $2.50;** 3 yr., **each 35c; doz. $3.50 (exp.).**

Celastrus Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2 yr. vines, **each 25c; doz. $2.50; 100 $18.00;** 3 yr., **each 35c; doz. $3.50.** 4 yr., **each 50c; doz. $5.00 (exp.).**



AMPELOPSIS VEITCHII (Boston Ivy)

Cinnamon Vine. A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. The leaves are heart-shaped, bright glossy-green; growth is very rapid, often running 25 to 40 feet; quite hardy. Good roots. **Each 5c; doz. 50c; postpaid.** Extra large roots, **each 10c; doz. $1.00, postpaid.**

Euonymus Radicans. An evergreen shrub of a climbing or trailing habit. Valuable for covering fences or training against walls with Northern aspect. Also looks well on embankments or climbing over rock work. 2 yr., **each 35c; per doz. $3.50 (by express).**

CLEMATIS

JAPANESE CLEMATIS (Clematis Paniculata)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and most popular of all the small flowered vines. (See illustration next page).

PRICES. By Mail Postpaid.				PRICES. By Express, Not Prepaid			
Each	Three	Dozen	Age	Each	Three	Dozen	100
$0.20	$0.50	$1.70	1 yr.	$0.15	$0.40	$1.50	$10.00
.30	.80	3.00	2 yr.	.25	.65	2.50	15.00
.50	1.40	5.00	3 yr.	.40	1.10	4.00	25.00
.90	2.50	....	4 yr.	.75	2.00	7.50	.....

LARGE FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. The flowers are large, often measuring four to six inches across and are borne in great wreaths and clusters during July and August. The colors are rich royal purple, wine color and pearly-white. The vines are of slender, wiry growth and require some support that they can twine around, like a rod, pole or wire, and if the location is somewhat moist and partially shaded so much the better. The north side of house or porch with partial sun is a good spot. Hardy, but it is best to mulch them in winter.

Azure Star. (Lasurstern.) A new variety with large blue flowers. Strong grower and very desirable.

Beauty of Worcester. (New.) A magnificent sort with enormous flowers of clear sky-blue, contrasting strikingly with the cluster of pure white stamens.

Duchess of Edinburgh. One of the best double whites, of vigorous habit, very free of bloom and delightfully fragrant

Gypsy Queen. A rich, dark velvety purple; a fast grower and a free bloomer. A very attractive and curious variety.

Henryi. (Bangholm Belle.) Strong grower, flowers always eight-sepaled, 4 to 6 in. in diameter and pure white. Very hardy.

Jackmanii. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring.

Madame Baron Veillard. Light rose, lilac shadings. Much admired.

Sieboldi. Flowers of large size. A beautiful light blue in color. Strong grower, One of the best.

Ville de Lyon. Its blooming capacity is great and the flowers are of the most magnificent brilliant crimson; they are large and of beautiful circular form. **Strong 2 yr. old plants, each 50c; 3 for $1.35; doz. $5.00. Extra strong, 3 yr. old plants, 75c; 3 for $2.10; doz. $8.00, by express, not prepaid.**

☞**SPECIAL OFFER**—One 3 year old root, each, Jackmanii, Henryi and Ville de Lyon, three colors in all (red, white and blue) for **$2.00.**

VARIOUS SPECIES OF CLEMATIS

Coccinea. Bell-shaped flowers, bright coral red; blooms from June until frost. **Each 20c; 3 for 50c; 12 for $1.50, by express.**

Coccinea Hybrids

An entirely distinct type of Clematis, the result of crosses between C. Coccinea and Star of India, combining all the good points of their parents in hardiness, vigorous robust growth, and freedom of bloom, which, together with their novel coloring and shape, make them valuable additions to the list of hardy climbers.

Countess of Onslow. A new hybrid of C. Coccinea, having large, somewhat bell-shaped flowers of bright violet-blue, with a broad scarlet band running through each petal. Very free and quite hardy.

Duchess of Albany. Another beautiful hybrid of C. Coccinea of a beautiful lively pink, which deepens towards the center of each petal and lighter on the margins. A vigorous grower and remarkable free bloomer.

Duchess of York. A delicate and pleasing shade of pale pink.

Grace Darling. A very pretty, bright, rosy carmine.

Any of the above, strong plants, **each 60c; 3 for $1.60, by express.**

CLEMATIS PANICULATA

HARDY VINES

CLEMATIS—Continued

Crispa. Fine, deep blue, with a white border and deliciously fragrant. **Each 20c; 12 for $1.50, by express.**

Integrifolia Durandi. Flowers bright blue, flowering from June to fall. Non-climbing habit, good for low fences. **Each 50c, by express.**

Montana Rubens. This beautiful hardy new Clematis begins to bloom early in June when a profusion of soft rosy-red blooms resembling those of the Japanese Anemone are produced. As the flowers are borne on the young wood, they appear more or less freely until forst. Strong plants, **each 75c; per doz., $7.50, by express.**

Viticella Kermesina. Clear red flowers of medium size, freely produced in graceful clusters throughout summer and autumn. Very vigorous. Each, **50c.**

HONEYSUCKLES (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees and if used on terraces or embankments, will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved.) Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles, producing continuously large trusses of red and yellow fragrant flowers.

Fuchsioides. (Scarlet Trumpet or Sempervirens.) Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented.) Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Japonica Flexuosa. (Chinese Twining.) Remarkable on account of retaining its beautiful glossy foliage almost all winter and covered with sweet, yellowish-white flowers nearly all summer.

Japonica Halleana. (Hall's Japanese.) Almost evergreen sort, flowers pure white, changing to yellow. July to November.

Strong 2-yr. old vines, **each 35c; 3 for $1.00; doz. $3.50 (exp.)**
Heavy 3-yr. old vines, **each 50c; 3 for $1.35; doz. $5.00 (exp.)**

HOP VINE (Humulus Lupulus)

A useful climber for covering unsightly places. **Each 10c; doz. 85c; 100 $6.00, postpaid.**

IPOMOEA PANDURATA

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat, foliage is luxuriant. One of the best climbers for northern latitudes.

First size roots, **postpaid, each 15c; doz., $1.50.** Extra size roots, **each, 25c; doz., $2.50 (exp.)**

KUDZU VINE (Pueraria Thunbergiana)

or Jack-and-the-Bean-Stalk-Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and wooly. Fine for porches, arbors, old trees, etc. Small roots, **each 15c; 3 for 40c, postpaid.** Larger roots, **each 25c; 3 for 65c (exp.)**

MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place.

Strong, 2-yr. old plants, **each 25c; doz. $2.50;** 3 yr. old, **each 35c; doz. $3.50;** 4-yr. old, **each 50c; doz. $5.00 (exp.)**

VITIS

Wild Grape Vine. We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of tree stumps, arbors, etc. **Each 25c; 3 for 70c; doz. $2.50 (exp.)** 3 yr., extra heavy, **each 35c; 3 for $1.00; doz. $3.50 (exp.)**

Vitis Heterophylla. Of Japanese origin and of the greatest value for arbors, walls, trellises or woodland. The long clusters of light blue fruit hang through the winter. Foliage of light green, each leaf being delicately incised, or cut. 2-yr., **each 50c;** 3-yr., **each 75c (exp.).**

WISTARIA

Sinenis. Long clusters of purple flowers, 2-yr. old plants, **each 50c (exp.).**

Alba. Flowers white, in drooping racemes. Large plants, 3-yr., **75c (exp.).**

Magnifica. Clusters of purple-lilac flowers. Price, 2-yr., **35c;** 3-yr., **50c;** 4-yr., **75c (exp.).**

DOUBLE NASTURTIUM

SUMMER VINES

HALF HARDY

AIR POTATO. (Dioscorea). A slender Vine of rapid graceful growth, producing a thick foliage of heart shaped leaves of a beautiful glossy green, large and showy. Small white flowers in drooping racemes give way to small potato-like tubers in the axils. These and the roots may be stored over winter like the Dahlias. **Small size, each 10c; doz., 75c. Large size, each 15c; doz. $1.50.**

CARDINAL CLIMBER. A graceful annual climber. The flowers are 1½ inches in diameter of a fiery cardinal red flowering from mid-summer until frost. The foliage is deeply laciniated and heavier and coarser than those of the Cypress Vine, to which it is related. Planted in good, rich soil when all danger of frost is over it makes a rapid growth, attaining a height of 30 feet or more. Strong plants. **Each 20c; doz., $2.00.**

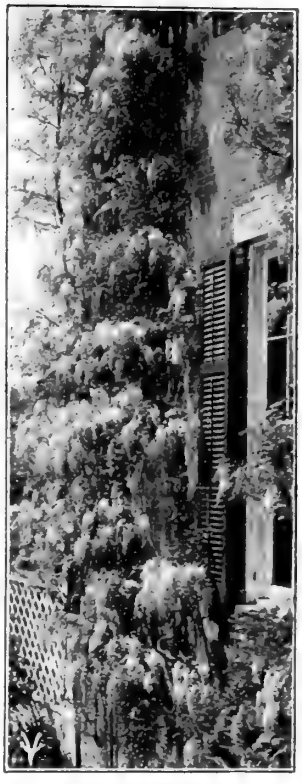
COBAEA Scandens. (Cathedral Bells.) Purplish lilac flowers, bell-shaped, prolific bloomers. Rapid grower. 3-in. pots, **each 20c; doz. $2.00; 100, $15.00.** 4-in. pots, **each 30c; doz. $3.00.**

IVY, English. Beautiful evergreen vine. For hanging baskets, window-boxes and vases. **Each 15c; doz. $1.25; 100, $8.00.** 4 in. pots, **each 25c; doz. $2.50; 100, $18.00.**

IVY, German (Parlor Ivy). 2 in. pots, **each 15c; doz. $1.25; 100, $8.00.** 3 in. pots, **each 20c; doz. $1.75, 100, $12.00.**

MOONFLOWER. (Ipomoea Learii) Blue. A beautiful satiny blue. **Each 15c; doz. $1.50; 100, 10.00.** 3 in. pots, **each 20c; doz. $2.00; 100, $15.00.**

White. Large flowers. Small plants. **Each 15c; doz. $1.50; 100, $10.00.** Larger plants, **each 25c; doz. $2.50; 100, $18.00.**



WISTARIA

MEXICAN MORNING GLORY. (Ipomoea Paniculata). A grand climber, palmate leaves of a deep green. Flowers are a handsome shade of pink, darker in throat. Treat roots like Dahlias. **Each 25c; doz. $2.50; 100, $18.00.** Larger roots, **each 40c; doz. $4.00.**

MADEIRA VINE. A popular climber. Strong tubers. **Each 5c; doz. 40c; 100, $2.50.**

NASTURTIUM, DOUBLE FLOWERED. Darmstadt. Flowers double, yellow, sweet scented, fine 2-in. pot plants, **each 20c; 3 for 50c; per doz. $2.00.**

SMILAX. Fine for festoons and other decorations. **Each 10c; doz. $1.00; 100, $6.00.**

VINCA Major Variegata. For basket and vase. 3 in. pots. **Each 20c; doz. $2.00; 100, $15.00.** 4 in. pots, **each 25c; doz. $2.50; 100, $18.00.** 5 in. pots, **each 35c; doz. $3.50.**

Minor (Grave Myrtle.) Evergreen. **Each 15c; doz. $1.50; 100, $10.00.**

WEEPING LANTANA. A trailing sort for vases and hanging baskets. Delicate rosy lilac flowers borne freely summer and winter. **Each 15c; 3 for 40c; doz. $1.25.**

VAUGHAN'S "SHADY SIDE" 124 A

CLIMBER COLLECTION FOR 1915

Each plant is suitable for planting on the north side of any building where sunlight is not strong.

Clematis Jackmanii.
Honeysuckle, Heckrotti.
Aristolochia (Dutchman's Pipe).
Akebia Vine.
Celastrus (Bitter Sweet).
Boston Ivy (Ampelopsis Veitchii).

1 each: All strong 2 yr. plants for **$1.50 by express.**

VAUGHAN'S "SUNNY SIDE" 124 B

CLIMBER COLLECTION FOR 1915

Each plant is suitable for planting in full sunlight.

Bignonia (Trumpet Creeper).
Matrimony Vine.
Clematis (Japanese Clematis).
Ampelopsis (Virginia Creeper).
Honeysuckle, Scarlet Trumpet.
Periploca (Silk Vine).

1 each: All strong 2 yr. plants for **$1.25 by express.**

Special Purpose Climbers

Climbers for Shady Places, Aristolochia, Sipho, Celastrus, Wild Grape Vine, Apios Tuberosa, Hop Vine, Akebia Vine, Honeysuckles.

Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Paniculata, Honeysuckles.

Climbers for North Aspect, Clematis, all large flowering types such as C. Jackmanii, Henryi, etc., Ampelopsis Veitchii (Boston Ivy).

Climbers for Eastern Aspect, Ampelopsis Engelmanni, Cinnamon Vine, Matrimony Vine.

Ornamental and Flowering Trees and Shrubs

The planting of shrubs, or perhaps shrubs combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives, and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings. Everywhere one can find places that will suggest their use, and when in flower, or adorned with their bright and varied foliage, their charm and beauty will be appreciated from early spring until late fall when most of them display their brightest colored leaves, to be followed by the red berries of many varieties during the winter months. Those who are not well acquainted with varieties and are doubtful as to what to plant, we shall be glad to help in selecting, and make suggestions and plans for grouping, for all sites and purposes.

☞**A** denotes shrubs which attain 9 to 12 feet in height at maturity.

B denotes shrubs which which attain 5 to 8 feet in height at maturity.

C denotes shrubs which attain 1 to 4 feet in height at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

Specimens. The term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R. R.), two blocks South of 47th Street, the continuation of East Boulevard.

SHIPPING DIRECTIONS. Shrub orders amounting to $5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

ABOUT PRICES OF TREES

Where the price each is given, the following are our rates for 3 and 12 of a kind.

Each	3 for	Dozen	Each	3 for	Dozen
20c	$0.50	$2.00	60c	$1.70	$6.60
25c	.65	2.50	65c	1.85	7.20
30c	.80	3.00	70c	2.00	7.50
35c	1.00	3.50	75c	2.15	8.00
40c	1.10	4.00	80c	2.25	8.50
45c	1.25	4.50	85c	2.40	9.00
50c	1.40	5.00	90c	2.50	9.50
			$1.00	2.90	11.00

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and than plant at your leisure.

ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early-flowering shrubs, blooming in early spring.
Double Pink or Double White, 2 to 3 ft., **50c;** 3 to 4 ft., **75c.**

ALTHEA FRUTEX (Rose of Sharon) (A)

A free-flowering shrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock. It requires protection and should be planted only in the spring.
Double White, Pink or Red, 2 to 3 ft., **30c;** 3 to 4 ft., **40c;** 4 ft. specimens, **60c.**
Double Pink or Red, tree form, 4 to 5 ft., **60c.**
Single Blue, 2 to 3 ft., **35c.**

AMELANCHIER (June-Berry or Shad-Bush)

Vulgaris. This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft., **40c;** 3 to 4 ft., **50c.**

AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantations or for massing on banks and slopes.
Canescens (Lead Plant). A small native shrub bearing light purple flowers in June. 2-year bushy, **35c;** 3-year bushy, **50c.**
Fruticosa (False Indigo). This large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 2-year, **35c;** 3-year, **50c.**

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.
Mandshuricus. A very handsome shrub of erect habit and very large, much divided spiny leaves. 3 to 4 ft., **50c.**
Maximowiczi. **(A.)** A remarkable small tree with upright, spiny trunk Leaves rich deep green, on strong, long stems. 3 to 4 ft., **50c.**

ARALIA—Continued

Pentaphylla. **(B.)** A pretty Japanese shrub of medium size and rapid growth, branches furnished with spines, leave five lobed. 2 to 3 ft., bushy, **50c.**
Spinosa (Hercules' Club). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c;** specimens, 6 ft., **$1.00 to $1.50.**

ARTEMISIA (Southernwood or Old Man) (C)

Abrotanum. A deciduous shrub well known for its fragrance. Extra strong bushes. 2 ft., bushy, **35c.**

AZALEA MOLLIS (C)

A beautiful variety from Japan, with large flowers of various shades of yellow, orange, carmine, etc. Requires partial shade. 10 to 20 buds, **75c.**

BENZOIN (The Spice Bush)

A hardy ornamental shrub, thriving best in moist, loamy soil. Very attractive as a specimen plant and for massing on the banks of streams or margins of ponds. An early-flowering shrub, growing naturally from Canada to Georgia, westward to Kansas. Leaves bright green, fading in autumn with intense tones of yellow Flowers yellow, in early spring, appearing before the leaves. Berries scarlet, in late summer or early autumn. Attains a height of 6 to 10 feet under ordinary conditions. 2 to 3 ft., **50c.**

BERBERIS (Barberry)

Hardy shrubs with thorny branches, thriving in almost any kind of soil. They are of inestimable value in the plantations, both on account of the profuse and highly colored fruits and the gorgeous colors of the autumn foliage.
Ilicifolia. (Holly-leaved Barberry). **(B.)** The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 1½ to 2 ft., **75c;** 2 to 2½ ft., **$1.00.** These prices are for stock with ball of earth and burlapped.
Vulgaris. (European Barberry). **(B.)** A handsome shrub suitable for hedge, with yellow flowers in May and June, followed with orange-scarlet fruit. 1 to 2 ft., **25c;** per 100, **$12.00;** 2 to 3 ft., bushy, **35c;** 3 to 4 ft., 50c.

(Japanese Barberry—see next page.)

BERBERIS THUNBERGII

BERBERIS—Continued

Thunbergii. (Japanese Barberry.) (B). One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and beauty, or by the free use of the shears, a formal hedge of great density and durability.

Age	Height	Each	Three	Doz.	100
1-year	10 to 12 in.	$0.15	$0.30	$1.00	$ 6.00
2-year	15 to 18 in.	.20	.40	1.25	8.50
3-year	18 to 24 in.	.40	1.00	3.60	25.00
4-year, bushy		.45	1.25	4.80	35.00

Vulgaris Purpurea. (Purple-leaved Barberry.) (B.) Especially remarkable for purple foliage and fruit. When full grown, plants attain a height of 4 to 5 ft., but can be kept at any height below this by shearing. Endures partial shade and is perfectly hardy. 2 to 3 ft., **35c**; 3 to 4 ft., **50c.**

BUDDLEYA VARIABILIS VEITCHIANA (Summer Lilac) (B)

A very pretty shrub of spreading pendulous habit, bearing during late summer and fall, long tapering spikes, 20 to 30 in. long, thickly covered with minute tubular, lilac-colored flowers. Awarded First Class Certificate R. H. S., London (new). Each, **50c.** (See illustration on opposite page).

CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. Nice bushy stock: 1½ to 2 ft., extra bushy, **40c;** 2to 3 ft., extra bushy, **60c;** 3 to 4 ft., extra bushy, **75c.**

CARAGANA SIBERICA (Siberian Pea Tree) (A)

A large shrub with compound leaves, consisting of 8 to 12 bright green leaflets. Native of Siberia. Flowers yellow, in numerous small clusters in late spring. Grows 10 to 12 feet tall. 2 to 3 ft., **40c;** 3 to 4 ft., **50c;** 4 to 5 ft., **75c.**

Siberica Pendula, a weeping form of the above. 3 to 4 ft., **75c.**

CEANOTHUS AMERICANA (Jersey Tea) (B)

A small shrub with a profusion of white flowers in crowded panicles, in June. One of the best shrubs for growing in shady places. 1 ft., bushy, **45c;** 1½ ft., bushy, **60c.**

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for water-side planting, especially when fully exposed to the sun. 2 to 3 ft., **35c;** bushy, 3 to 4 ft., bushy, **50c.**

CERASUS (Flowering Cherry) (A)

Mahaleb. Graceful shrub bearing large umbels of double white fragrant flowers in May and early June. 6 to 8 ft., **75c.**

Virginica. (Choke Cherry.) A handsome shrub or small tree with small racemes of beautiful white flowers. Leaves dark green, oval in shape, turning to yellow before falling. Fruit so dark a purple as to be nearly black. 6 to 7 ft., **75c to $1.00**

CHIONANTHUS VIRGINICA (White Fringe Tree)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 ft. 2 to 3 ft., **50c.**

CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A sturdy compact shrub, usually attaining a height of 3 to 5 feet, leaves dark green and lustrous, fading with yellow tones. Flowers creamy white, fragrant, in erect or pinacled racemes. A grand flowering shrub. Thrives in moist loamy soil. 1½ to 2 ft., bushy, **35c;** 2 to 3 ft., bushy, **50c.**

COLUTEA ARBORESCENS (Bladder Senna) (C)

A tall shrub with compound leaves, consisting of 9 to 13 dull green leaflets. Flowers yellow, pea-shaped, tinged with reddish brown, followed by large inflated, often highly colored seed-pods. Very attractive and ornamental. 3 to 4 ft., extra bushy, **50c;** 4 to 5 ft., extra bushy, **65c.**

CORCHORUS (Kerria)
(The Globe Flower or Japanese Rose)

Japonica. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 1½ to 2 ft., bushy, **40c.**

Japonica Argentea Var. (B) A pretty dwarf variety with small, green foliage edged white, slender grower, A valuable dwarf shrub. 1 to 1½ ft., bushy, **40c.**

Japonica Flore Pleno. Double flowered. This fine old shrub should be in all collections. It is of spreading habit. Its double yellow blossoms, which are about 1 inch in diameter appear early in May, one from each leaf axil. It is excellent for massing. 1½ ft., bushy, **40c.**

CORNUS (Dogwood)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and waterside planting.

Alternifolia. (Blue Dogwood) (B) A pretty, large shrub; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., bushy, **50c.**

Mas. (Cornelian Cherry) (B) One of the earliest of spring blooming shrubs, bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries, 2 to 3 ft., **50c.**

Sanguinea. (Red-branched Dogwood) (B) Very conspicuous and ornamental. Bark in winter blood-red. 2 to 3 ft., extra bushy, **35c;** 3 to 4 ft., extra bushy, **60c;** 5 ft. specimens, extra bushy, **$1.00.**

Sericea. (Silky Dogwood) A reddish-stemmed variety, producing its corymbs of white flowers late in June, followed by pretty blue berries in October; 3 to 4 ft., bushy, **50c.**

Siberica. (Siberian Red Osier) An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very bushy.

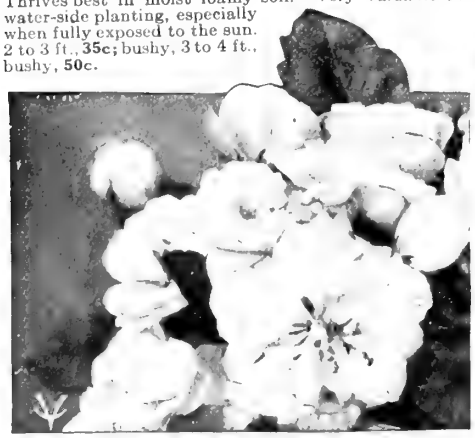
Height	Each	Three	Doz.	100
2-3 ft. extra bushy	$0.35	$1.00	$3.60	$25.00
3-4 ft. " "	.50	1.40	5.40	35.00
4-5 ft. " "	.75	2.15		
Seedlings 5-6 ft.	.40	1.10	4.20	30.00
Seedlings 6-7 ft. Specimens	.60	1.70	6.60	45.00

Stolonifera. (Red Osier Dodwood). May. Spreading habit; dark red bark and white berries, A very hardy shrub. 2 to 3 ft., bushy, **40c.**

Stolonifera Aurea. (Golden-twigged Osier) A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., **45c;** 3 to 4 ft., **60c.**

CRAB (Bechtel's Double Flowering) (A)

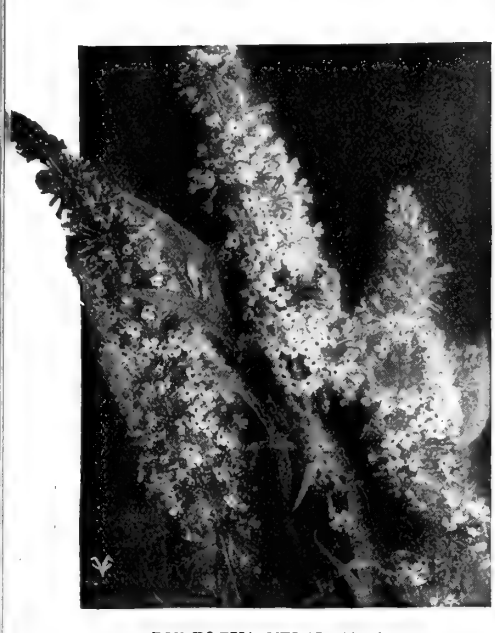
Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful double fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 3 to 4 ft., extra fine, **$1.00;** 4 to 5 ft., extra fine, **$1.75;** 5 to 6 ft., specimens, **$3.00 to $6.00.** (**See also Malus Floribunda.**)



BECHTEL'S DOUBLE FLOWERING CRAB

CHIONANTHUS (White Fringe)

EUONYMUS ALATUS (Burning Bush)



BUDDLEYA VEITCHIANA

CLETHRA ALNIFOLIA

DEUTZIA

CRATAEGUS (Hawthorn)

Crus Galli. (Cockspur Thorn.) (C.) A broad round-topped shrub or small tree with very spiny branches. The large clusters of white flowers are very showy, and contrast strikingly with the shining green leaves. The dull red fruits hang from the branches all winter. 1 to 1½ ft., bushy **30c**; 2 to 3 ft., bushy, **60c.**

CYDONIA (Pyrus)

Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince.) **(B.)** A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft., bushy, **35c**; per 100, **$25.00**; 2 to 3 ft., extra bushy, **50c.**

Rubra Grandiflora. Deep crimson flowers, with very showy fruit, 2 yr. **35c.**

Simonii. (Sand Pear.) A very ornamental rapid growing tree, with masses of white blossoms and deep green foliage. 1½ in. to 2ft., bushy, **50c.**

Umbilicata. (B) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 2 to 3 ft., bushy, **40c**; 3 ft., bushy, **50c.**

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2-year, **35c**; 3 year, **50c.**

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

Crenata fl. pl. (B.) A handsome free-flowering shrub, with numerous upright branches. Leaves dull green, rough on both sides, 2 to 3 inches long. Flowers double, pure white, in erect panicles 2 to 4 in. long. 2 to 3 ft., bushy, **35c**; 3 to 4 ft., bushy, **50c.**

Crenata Rosea fl. pl.(B.) Very similar to Crenata fl. pl., but very showy, with its outer petals a handsome rosy purple. 2 to 3 ft., bushy, **35c.**

Crenata Fortunei. (B.) One of the best of the Deutzias, the flowers being larger than in many of the others. 2 yr., **35c.**

Gracilis. (C.) A low-growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 10 to 12 in., extra bushy, **25c**; per 100, **$12.00**; 1½ ft., extra bushy, 40 to 75 branches, **35c**; per 100, **$22.00.**

Lemoinei. (B.) A hybrid of the well-known Deutzia Gracilis with Deutzia Parviflora. Flowers pure white, borne on stout branches, upright growth. 1½ to 2 ft., extra bushy, **40c**; 3 ft. specimens, **75c.**

Pride of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 2 to 3 ft., bushy, **35c**; 3 to 4 ft., bushy, **50c.**

DIERVILLA. See Weigelia.

DOGWOOD. See Cornus.

ELDER. See Sambucus.

ELEAGNUS (Silver Thorn)

Hardy shrubs with handsome foliage and showy fruits. The young branches and leaves are covered with silvery or brownish scales, which impart a singular lustre and aspect. They thrive in almost any well-drained soil, preferring sunny situations.

Angustifolia. (Russian Olive.) **(B.)** A large shrub with silvery, often spiny branches. Leaves light green above, silvery white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow, coated with silvery scales. 2 to 3 ft., **35c.**

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush.) **(B.)** Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 2 to 3 ft., extra bushy, **75c**; 3 to 4 ft., extra bushy, **$1.40**; 4 to 5 ft. specimens, each **$2.50** to **$3.50**; 5 ft. specimens, **$4 to $5.00.**

Europaeus. (European Spindle Tree.) A tall, erect shrub or low tree, usually 10 to 15 ft. high. Flowers yellow. Rose-colored fruit. 2 to 3 ft., **30c**; 3 to 4 ft., **40c**; 4 to 5 ft., **60c**; 5 to 6 ft., **75c**; 6 ft. specimens, **$1.00.**

Radicans. An evergreen shrub of a climbing or trailing habit. Valuable for covering fences or trailing against walls with Northern aspect. Also looks well on embankments or climbing over rock work. 2 yr. bushy, each **35c.**

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A vigorous-growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 2 to 3 ft. bushy, **40c**; 3 to 4 ft., **60c.**

FONTANESIA FILARIAEFOLIA (B

A large shrub with somewhat slender shoots and small leaves, bearing small clusters of small white flowers with yellowish anthers, towards the close of May. 4 to 5 ft. extra bushy, **60c.**

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago parks. They should be planted where they will receive the full benefit of early spring sunshine.

Fortunei. (Fortune's Forsythia.) **(B.)** A tall shrub with slender arching branches, of garden origin. Leaves, simple or three-parted, dark green and lustrous. Flowers golden yellow, borne in great profusion. Grows 8 to 10 feet high. Very floriferous. 2 to 3 ft., bushy, **30c**; 3 to 4 ft., bushy, **50c**; 4 to 5 ft., bushy, **60c.**

Intermedia. Flowers bright yellow, glossy green foliage. 1½ to 2 ft., extra bushy, **30c**; 2 to 3 ft., extra bushy, **45c**; 3 to 4 ft., extra bushy, **60c.**

Suspensa. (The Weeping Forsythia.) **(B.)** A graceful shrub with long and slender drooping branches. Native of China. Leaves dark green and lustrous, persisting until frost. Flowers in great profusion, golden yellow, very showy. Grows about 8 feet tall. One of the showiest shrubs in cultivation. Can be used as a climber. 2 to 3 ft., extra bushy, **35c**; 3 to 4 ft , extra bushy, **50c.**

Viridissima. **(B.)** A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in spring. 2 to 3 ft., bushy, **30c**; 3 to 4 ft., **40c**; 4 to 5 ft., bushy, **50c.**

GUELDER ROSE. See Viburnum Sterilis.

HALESIA (Silver Bells)

Tetraptera. A native shrub, the short, stout branches bearing a wealth of drooping white flowers in early spring. Leaves oval, finely serrated, bright green, turning pale yellow in autumn. A beautiful flowering tree. Fruit with four papery wings. 2 to 3 ft., **40c.**

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A hardy shrub with singular bright yellow flowers in late autumn, often after the leaves have been killed by frost. Thrives best in moist, loamy soil, either in full sun or partial shade. 2 to 3 ft., **40c**; 4 to 5 ft., **75c.**

HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries orange or bright orange-red, maturing in early autumn; 2 to 3 ft., **35c**; 5 to 6 ft., **75c**; 6 to 7 ft. specimens, **$1.00.**

HYDRANGEA PANICULATA

PRIVET HEDGE

HYDRANGEAS

ARBORESCENS GRANDIFLORA "SNOWBALL" (New) (C)

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnum and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-yr., extra bushy, **35c;** 3-yr., extra bushy, **50c;** 4-yr., extra bushy, **60c.**

Cinerea Sterilis. (Hills of Snow.) Very similar to the preceding, but leaves are silvery white underneath. Very hardy, 2 year, **35c;** 3 year, **5**.c.

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

	Each	Three	Doz.	100
2-year, heavy	**30c**	**$0 80**	**$3 00**	**$22 00**
3-year	**40c**	**1 10**	**4 20**	**25 00**
4-year	**50c**	**1 40**	**5 40**	**35 00**

(Tree Form) (A)

These plants have a clear stem, about 3 feet long, with a bushy top, making a grand show when in flower. 1½ ft. stem, **50c;** 2½ ft., clear stem, **each, 60c;** extra selected, 3 ft. stem, **each, 75c.**

LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Amurense. (Amoor Privet.) (B) A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the east, but unlike it here in that the Amur is hardy.

Height	Each	Three	Doz.	100
12 to 18 in	**$0.20**	**$0.50**	**$1.80**	**$10.00**
1½ to 2 ft	**.25**	**.65**	**2.40**	**15.00**
2 to 3 ft., bushy	**.30**	**.80**	**3.00**	**20.00**
3 to 4 ft., extra bushy	**.40**	**1.10**	**4.20**	**28.00**

Ciliatum. Small Japanese shrub with pointed elliptical leaves, white flowers, followed by black berries the size of a pea. 12 to 18 in., extra bushy, **15c;** 2 to 3 ft., extra bushy, **25c.**

Ibota. (Chinese Privet.) (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens.

Height	Each	Three	Doz.	100
12 to 18 in	**$0.20**	**$0.50**	**$1.80**	**$12.00**
18 to 24 in	**.25**	**.65**	**2.40**	**15.00**
2 to 3 ft., bushy	**.35**	**1.00**	**3.60**	**20.00**
3 to 4 ft., bushy	**.50**	**1.40**	**5.40**	**28.00**

Ovalifolium. (California Privet.) (B.) Large, broad leaves, and one of the best of all privets but not hardy in vicinity of Chicago. 1 to 1½ ft., bushy, **15c;** per 100, **$10.00;** 1½ to 2 ft., bushy, **20c;** per 100, **$15.00;** 2 to 3 ft., bushy, **25c;** per 100, **$18.00.**

Regelianum. (Prostrate Privet.) (B) This beautiful graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed. 2 to 3 ft., bushy, **30c;** 100, **$25.00.**

Vulgare. (European Privet.) (B) Very useful for hedges; can be clipped any shape. Grown as a single specimen it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental.

Height	Each	Three	Doz.	100
12 in	**$0.12**	**$0.30**	**$1.00**	**$ 6.00**
2 to 3 ft	**.25**	**.65**	**2.40**	**16.00**
3 to 4 ft	**.35**	**1.00**	**3.60**	**25.00**
5 ft. specimens, extra bushy	**.50**	**1.40**	**5.40**	.....

LILACS (True Syringa) (B)

Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes. 2 to 3 ft., **each, 30c; per 100, $18.00;** 3 to 4 ft., **each, 40c; per 100, $25.00;** 4 to 5 ft., **each, 60c; per 100, $40.00.**

Alphonse Lavalle. A variety bearing beautiful double flowers of a rare blue color. 1½ to 2 ft., **50c.**

LILAC—Continued

Bertha Dammann. Magnificent pure white flowers, borne on large spikes. 2½ ft., extra fine, each, **$1.25.**

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. Strong bushes: 1½ to 2 ft., **each, 40c;** 2 to 3 ft., extra bushy, **each, 50c;** 3 to 4 ft., extra bushy, **60c;** 4ft., bushy, **75c to $1.00.**

Congo. Large spikes, with beautiful, dark red flowers. 2 to 3 ft., **50c.**

Dr. Bretschneider. 2 to 3 ft., **50c.**

Emodi. Of compact growth with beautiful, large, leathery leaves, flowers light lilac, bloom in June. 2 to 3 ft., **50c.**

Japonica. June. A tree form, with glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through blooming. 2 to 3 ft., **35c;** 3 to 4 ft., **60c;** 4 to 5 ft., **75c;** 5 to 6 ft. specimens, **$1.00** to **$1.50.**

Josikaea. (Hungarian Lilac.) Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 2 to 3 ft., **50c.**

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft., **50c.**

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 1½ to 2 ft., **each, 40c;** 2 to 3 ft., extra bushy, **each, 50c;** 3 to 4 ft., extra bushy, **60c;** tree form, 2½ ft. stem, specimens, **$1.00.**

Michel Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 3 to 4 ft., bushy, **60c,** 4 to 5 ft., bushy, **75c.**

Othello. Single, dark purplish red, large graceful panicles, 2 to 3 ft., **50c.**

Persian Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 2 to 3 ft., **45c.**

Rothomagensis. (Rouen Lilac.) (M.) May. Has arching branches and large, loose, reddish purple flower-plumes that are variable in color. The narrow leaves differ from those of any other lilac. 2 to 3 ft., bushy, **50c.**

Rubra de Marley. The old-fashioned purple Lilac. Strong bushes. 2 to 3 ft., bushy, **each, 35c;** 3 to 4 ft., bushy, **each, 50c;** 4 to 5 ft., bushy, **75c;** 5 ft., specimens, **$1.00.**

Souvenir de L. Spaeth. A distinct and most beautiful variety having immense trusses of deep purplish-red with compact flowers of enormous size. 3 to 4 ft., bushy, **75c.**

Toussaint l'Ouverture. Single, very deep purple flowers, 2 to 3 ft., **50c.**

Vulgaris. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good.

Height	Each	Three	Doz.	100
12 to 18 in	**$0.20**	**$0.50**	**$1.80**	**$12.00**
1½ to 2 ft	**.30**	**.80**	**3.00**	**18.00**
2 to 3 ft	**.45**	**1.25**	**4.80**	**28.00**
3 to 4 ft., bushy	**.50**	**1.40**	**5.40**	**35.00**
4 to 5 ft., bushy	**75c to $1.00.**			

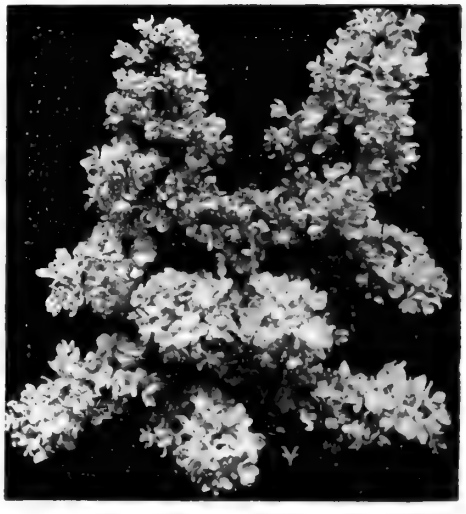
LILACS ON THEIR OWN ROOTS

These have a great advantage over the usually offered budded stock. They are much longer lived, improve in beauty each year, and they withstand our severest winters. The demand for them becomes greater each year.

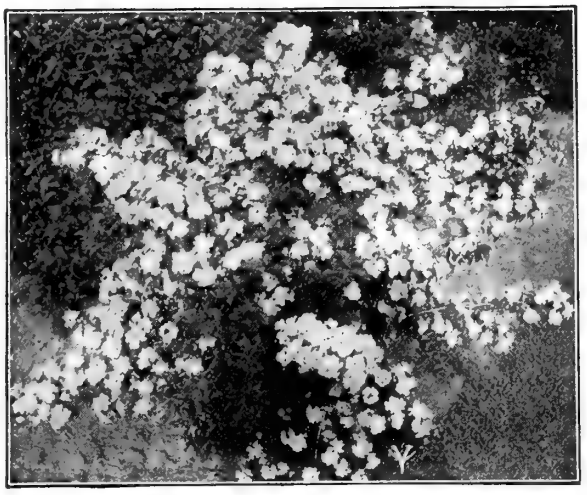
We have been fortunate enough to procure the following varieties in good, strong stock, but regret to say that the supply is very limited, and strongly advise customers to order early.

All are fully described in the general list of varities given above.

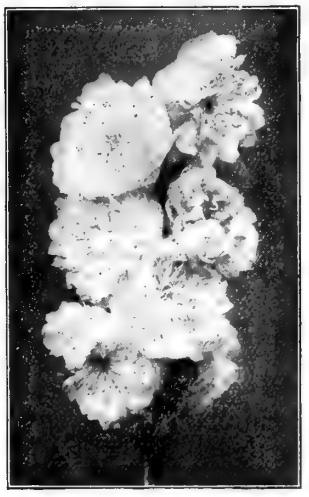
Charles X, Marie Legraye, Pres. Grevy, Souv. de L. Spaeth. 2 to 3 ft., **each, $1.25.**



LILAC, MARIE LEGRAYE



PHILADELPHUS GRANDIFLORUS



PRUNUS TRILOBA

MALUS (PYRUS) ARBUTIFOLIA

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, often with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous, of bluish green, about an inch long. Flowers rosy pink, fragrant, in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Height 1 to 2 feet. Well adapted for rock-gardens. 3 to 4 ft., **50c.**

Bella Candida. A fine variety, producing fruit of red color in great profusion. 3 to 4 ft., bushy, **50c.**

Morrowii. (Japanese Bush Honeysuckle) **(B.)** A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries; 3 to 4 ft., bushy, **50c.**

Tartarica (Tartarian Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. Height 8 to 10 ft.

Tartarica Alba (White Tartarian) **(B.)** 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**
Tartarica Rosea (Pink Tartarian) **(B.)** 2 to 3 ft., **40c;** 3 to 4 ft., **50c.**
Virginalis Alba. White flowers, resembling T. Alba. 2 to 3 ft., **35c.**

LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It tarives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stems to fall over. 2 year, **25c;** per 100, **$15.00;** 3 year, **35c;** per 100, **$22.00;** 4 year, **40c;** per 100, **$28.00.**

MAGNOLIA

We offer the best adapted to our climate, that has proven hardy in Chicago.

Soulangeana. Flowers white and purple, 3 to 5 in. across, borne in May, before its leaves, which are massive and glossy. Among the hardiest and finest of foreign Magnolias. 3 to 4 ft., **$3.00.**

MAHONIA

Aquifolium (Holly-leaved Barberry or Oregon Grape). A handsome ornamental shrub with compound leaves, the 5 to 9 leaflets dark lustrous green, spiny toothed. In winter the foliage assumes a bronze or coppery hue. Flowers yellow, in dense clusters, appearing in spring. Berries blue or nearly black. Hardy throughout most of the country, but requires some protection in the colder sections. One of the most desirable of low growing shrubs. The plants we furnish are balled and burlapped and therefore sure to get an early start. 2 year, **50c;** 3 year, **75c** (balled and burlapped).

MAPLE (Acer) Japanese

Atropurpureum (Dark Purple-Leaved Maple). This is the most popular of all varieties, with beautiful foliage of dark purple, lasting through most of the season, and is particularly fine when its foliage is fully expanded in early Spring. 2 ft., **each $1.25;** 3 ft., **each $2.50** (balled and burlapped).

MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries, that remain until Winter. Bright crimson autumn foliage. 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Coronaria (Wild Crab-Apple). A small tree or bush with spreading spiny branches. Leaves heart-shaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves. 2 to 3 ft., **50c;** 3 to 4 ft., **75c.**

Floribunda (Flowering Crab). Single flower, beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring flowering shrubs. 2 to 3 ft., **50c;** 3 to 4 ft., **75c.**

Atrosanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 2 to 3 ft., **50c;** 3 to 4 ft., **75c.**

Schiedeckeri (Double-flowering Crab). Flowers double, bright rose, of great substance and durability. Splendid for cut-flowers. 3 to 4 ft., **75c.**

Niedwetskiana. Handsome pinkish white flowers, grand variety. 3 to 4 ft., **50c;** 4 to 5 ft., **75c.**

Spectabilis Fl. Albo Pleno. Chinese Double White Flowered Crab. 2 to 3 ft., **50c.**

MATRIMONY VINE—See Lycium.

MORUS (Mulberry)

Tartarica. (Russian) 20 to 25 ft. Hardier in the northwest than all others. 3 to 4 ft., **30c;** 7 ft. specimens, **$1.00.**

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 1½ to 2 ft., **each, 25c;** 2 to 3 ft., bushy, **each, 50c;** 3 ft., bushy, **60c.**

Bouquet Blanc. Double or semi-double flowers; very floriferous. 1½ to 2 ft. bushy, **35c;** 3 to 4 ft. bushy, **50c.**

Coronarius Aureus (Golden leaved Mock Orange), Much prized for its bright effect. 1½ to 2 ft., bushy, **40c.**

Coronarius Fl. pl., (A). Covered with sweet scented double white flowers in June. 2 to 3 ft., bushy **35c.**

Dianthiflorus Fl. Pl. (B.) A dwarf-growing variety, with double cream-colored fragrant flowers. 1½ to 2 ft., extra bushy, **50c.**

Falconeri. A graceful shrub with arching branches of pure white starry flowers. Very free-flowering. 4 to 5 ft., **50c;** 6 to 7 ft., **75c.**

Grandiflorus (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the freest flowering of the genus. 1½ to 2 ft., bushy, **25c;** 2 to 3 ft., bushy, **35c;** 3 to 4 ft., bushy, **50c;** 4 to 5 ft., bushy, **60c;** 5 to 6 ft., bushy, **75c to $1.00.**

Lemoinei Erectus (B.) A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 1½ to 2 ft., **30c;** 2 to 3 ft., bushy, **45c.**

Manteau d'Hermine. Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 1½ ft., bushy, **50c.**

PRIVET. See Ligustrum.

PRUNUS (Plum)

Ornamental and Flowering Varieties.

BURBANK'S OTHELLO PLUM. (Purple-leaved Plum.) Introduced by us many years ago, having purchased the first and only tree from the originator, Luther Burbank.

It is an ornamental shrub of rare beauty, the growth is vigorous and upright. The white flowers appear early in spring before the leaves and literally cover the tree. The foliage is deep crimson purple, lighter on the under side of leaves, holds well into the fall, forming a grand contrast with the lighter tints of other shrubs. It is very similar to Prunus Pissardi, but much hardier.

Height	Each	Three	Doz.	100
4 to 5 ft	$0.75	$2.15	$ 8.00	$60.00
5 to 6 ft	1.00	2.90	11.00	75.00

7 ft. specimens, **$1.50** to **$1.75, each.**

Pissardi (A.) (Purple-leaved Plum.) A small tree or shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 3 to 4 ft., **60c.**

Spinosa (Blackthorn.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 3 to 4 ft., extra bushy, **50c;** 4 to 5 ft., extra bushy, **75c.**

Triloba (B.) (Double-flowered Plum.) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. 2 to 3 ft., **50c;** 3 ft., selected **60c.** Tree form, specimens, 3 ft., stem, **$1.25.**

PTELEA (Hop Tree)

Trifoliata. A large shrub or small tree of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 2 to 3 ft., **30c;** 3 to 4 ft., **40c.**

RHAMNUS (Buckthorn)

Hardy vigorous shrubs with handsome foliage and showy berries. The larger-growing species are well adapted and often used for hedges, both informal and clipped. They thrive in moist, loamy soils, and are not adverse to partial shade.

Catharticus (A.) A fine, robust shrub, with dark green foliage, white flowers and small black fruit. A popular hedge plant. 2 to 3 ft., **each, 25c;** 3 to 4 ft., **each, 35c;** 5 to 6 ft., **60c;** 7 ft. specimens, **$1.00.**

Frangula (Alder Buckthorn.) **(B.)** A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 6 to 7 ft. specimens, **$1.00.**

Imeritina (B.) A veriety remarkable for its foliage. The leaves are dark and sometimes reach a length of nine inches, assuming a rich bronze tint when full grown. 3 to 4 ft., **60c.**

RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous black berries. 2 to 3 ft., bushy. **each, 40c;** 3 to 4 ft., bushy, **60c;** 4 to 5 ft. specimens **75c.**

RHUS (Sumach)

Copallina (Dwarf or Shining Sumach). **(D.)** Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 1½ ft., bushy, **35c;** 2 to 3 ft., **60c.**

Cotinus (Smoke Tree). A small tree or large shrub with obovate leaves. Flowers pale purple, borne in loose panicles, the pedicels of which soon lengthen and become plumose, lending the smoky aspect whibh gave to the plant its common name. A highly ornamental object. In autumn the foliage assumes brilliant tones of red and yellow. 2 to 3 ft., **35c;** 3 to 4 ft., **60c.**

Glabra (Smooth Sumach). A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects. 2 to 3 ft., **25c;** 3 to 4 ft., **35c;** 4 to 5 ft., **45c:** 5 to 6 ft., **60c;** 6 to 7 ft., **75c.**

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leavesresembling rich fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., **each, 50c;** 3 to 4 ft., **each, 75c.**

Typhina (Staghorn Sumach). A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 4 to 5 ft., **60c;** 6 to 7 ft., **75c.**

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains. Attains height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c;** 5 to 6 ft., **85c;**

RIBES, OR FLOWERING CURRANT

Aureum (Yellow-flowering, or Missouri Currant.) **(B.)** A native shrub with glabrous shining leaves and yellow sweet scented flowers in June. 2 to 3 ft., bushy, **25c;** 3 to 4 ft., bushy, **35c;** 4 to 5 ft., bushy, **50c;** 5 to 6 ft., spec. **75c.**

ROBINIA HISPIDA (Rose Acacia) (A)

A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 1½ to 2 ft., **50c** 2 to 3 ft., **75c.**

ROBINIA (Black Locust)

PUSSY WILLOW (Salix Discolor)

Pseud-acacia. A tree with a comparatively narrow crown. Leaves compound, bright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shrub border. 1½ to 2 ft., **15c; 100, $6.00;** 3 to 5 ft., **30c;** per **100, $18.00;** 5 to 6 ft., **50c;** 6 to 7 ft., spec. **75c.**

ROSA (Rose)

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2 year, **30c;** 3 year, **50c;** 4 year, selected, **60c.**

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 2-year old, **30c;** 3-year old, **50c.**

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose. 3-year old plants, **50c.**

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast.

Britzensis. (Golden Russian Willow.) Short trunk, dense growth of golden yellow branches; leaves silvery white. 1½ to 2 ft., **25c.**

RHUS COTINUS

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves appear. Very handsome in flower and greatly esteemed. 18 inch, **25c;** 4 to 5 ft., extra bushy, **50c.**

Laurifolia. (Laurel-leaved Willow.) A rapid grower, erect form, with broad, glossy, dark green leaves; admirable for sea-shore and narrow streets. 1 to 1½ ft., **25c.**

Viminalis. (Osier Willow, Basket Willow.) A large bush with slender, straight branches, often used for tying material. 1½ to 2 ft., **30c.**

Wisconsin Weeping. Of drooping habit and hardier than Babylonica. Valuable on account of its resistance to severe cold. 5 to 6 ft., **50c;** 6 to 7 ft., **75c.**

SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for waterside and border planting.

Nigra Aurea. (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 2 to 3 ft., **30c;** 3 to 4 ft., **40c.**

Nigra. (The Black Elder.) 2 to 3 ft., **35c;** 3 to 4 ft., **45c.**

Nigra Laciniata. (Cut-leaved Elder.) The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive. 2 to 3 ft., **25c:** 3 to 4 ft., **40c.**

Racemosa. Attractive red berries in summer. 4 to 5 ft., extra bushy, **50c.**

SHAD BUSH. See Amelanchier.
SILVER THORN. See Eleagnus,
SMOKE TREE. See Rhus Cotinus.
SNOWBALLS. See Viburnum,
SNOWBERRY. See Symphoricarpus.
SWEET BRIAR. See Rosa Rubiginosa.
SWEET SHRUB. See Calycanthus.

SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

Anthony Waterer. **(B.)** Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1 to 1½ ft., extra bushy, **40c;** 2 ft. specimens, **75c.**

Arguta Multiflora (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, bright green, fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 2 to 3 ft., extra bushy, **40c;** 3 to 4 ft., bushy, **60c;** 4 ft. specimens, **75c.**

Billardii. **(B.)** Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 3 to 4 ft., **35c;** 4 to 5 ft., bushy, **50c.**

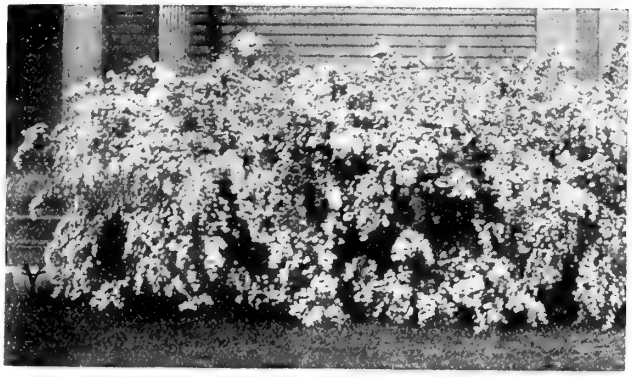
Callosa Alba. (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 2 to 3 ft., **40c.**

Callosa Froebeli Variegata. A variegated leaved, free-flowering variety, flowers rose. 2 to 2½ ft., extra bushy, **40c.**

Callosa Rubra. (Fortune's Spiraea.) **(D.)** Has large panicles of deep rosy blossoms, grows freely and blooms nearly all summer. 2 to 3 ft., extra bushy, **50c.**

SNOWBERRY—See Symphoricarpus

SYMPHORICARPUS OCCIDENTALIS



SPIRAEA VAN HOUTTEI

VIBURNUM PLICATUM

SPIRAEA—Continued

Opulifolia. (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Leaves ovate, deeply lobed, bright green and lustrous. Flowers whitish, in early summer, disposed in numerous clusters along the branches, very showy. Especially valuable for shaded places. 2 to 3 ft., bushy **35c;** 3 to 4 ft., bushy **50c.**

Opulifolia aurea. (Golden-leaved Nine Bark.) **(B.)** An interesting variety with golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 3 to 4 ft., **50c.**

Prunifolia Fl. Pl. (Double Flowered Plum-leaved Spiraea.) A beautiful shrub from Japan, with pure white flowers like white daisies, in May. Keeps in flower a long time and justly merits to be placed in the front rank among flowering shrubs. 2 ft., bushy, **45c.**

Sorbifolia. **(B.)** A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July, 3 to 4 ft., **40c;** 4 to 5 ft., **60c.**

Thunbergii. (Thungberg's Spiraea.) **(B.)** Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom the branches appear as if covered with drifted snow. 1½ to 2 ft., bushy, **35c;** 2 to 3 ft., extra bushy, **50c;** 3 ft. specimens, **75c.**

SPIRAEA VAN HOUTTEI (Bridal Wreath)

This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition.

Height	Each	Three	Doz.	100
1 to 1½ ft.	$0.20	$0.50	$1.80	$10.00
2 to 3 ft.	.25	.65	2.40	15.00
3 ft., bushy	.40	1.10	4.20	25.00
3 to 4 ft. bushes	.50	1.40	5.40	30.00
4 to 5 ft.	.60	1.70	6.60	45.00

STEPHANANDRA FLEXUOSA (C)

A very hardy shrub, resembling the Spiraea; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and leaves from the ground; neat and ornamental hedge plant. 12 to 18 in. Extra bushy, **35c.**

SYMPHORICARPUS

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, especially when covered with berries in fall and winter. Grow 3 to 6 ft. high; small leaves and slender branches.

Heyeri. **(B.)** Handsome shrub; blooms freely when small; flowers pretty pink in July and August; berries white. 2 to 3 ft., **30c;** 3 to 4 ft., **40c.**

Occidentalis. **(B.)** One of the prettiest of the Snowberries; growth strong and drooping; leaves large; flowers reddish white. 2 to 3 ft., extra bushy, **30c;** 3 to 4 ft. extra bushy, **40c;** 5 ft. specimens, **60c.**

Racemosus. (Snowberry.) **(B.)** A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes, in summer. Berries white, long persistent, produced in showy profuse clusters, the branches bending under their weight. 2 to 3 ft., bushy, **30c.**

Vulgaris. (Coral-Berry or Indian Currant.) **(B.)** A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green, persisting until early winter. Flowers greenish red, in summer. Berries coloring in early autumn, very showy. A capital companion to the Snowberry. Does well in shade. 2½ to 3 ft., bushy, **30c; per 100, $20.00;** 3 ft., bushy, **40c;** 4 ft. specimens, **50c.**

TAMARIX (B)

Shrubs of strong but slender, upright growth; clothed in foliage as light and feathery as that of the asparagus. Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders, and valuable for seaside planting

Amurense. A splendid new hardy variety, with silky pink tassels; flowers all summer. 2 to 3 ft., **35c;** 3 to 4 ft., **each 45c.**

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time, 2 to 3 ft , **35c;** 3 to 4 ft., **50c.**

VIBURNUM

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage frequently assumes brilliant and intense color tones in the autumn.

Carlesii. A dwarf compact shrub, bearing large corymbs of white blossoms, of a strong delicious fragrance. Very rare. 12 inch, each **$1.00;** 18 inch, each **$1.30.**

Dentatum. **(B.)** May and June. A free-flowering shrub, especially admired for the abundance of its scarlet fruits that cling to the branches a long time. 3 to 4 ft., extra bushy, each, **60c.**

Lantana. **(A.)** (Early white Lantana-leaved Viburnum.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded by red fruit; retains its foliage very late. 2 to 3 ft., bushy, **40c;** 3 to 4 ft., bushy, **60c;** 4 to 5 ft., specimens, **$1.00.**

Molle. A variety similar to V. Dentanum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 2 to 3 ft., **35c;** 3 to 4 ft. bushy, **60c;** 4 to 5 ft. specimens, **$1.00.**

Opulus. (High Bush Cranberry.) **(A.)** May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 2 to 3 ft., bushy, **35c;** 3 to 4 ft., bushy, **50c.**

Plicatum. (Japanese Snowball.) The old-fashioned Snowball is one of the most valuable of our hardy shrbs. It forms an erect, compact bush, 6 to 8 feet high. It blossoms in early June, being covered with large balls of flowers as white as snow. 2 to 3 feet, bushy, **45c;** 3 to 4 feet, bushy, **50c.**

Pyrifolium. (Pear-Leaved V.) Flowers white and fragrant, blooming about two weeks later than other varieties. 3 to 4 ft., bushy, **60c.**

Sterilis. (Old Fashioned Snowball.) Too well known to require description. 2 to 3 feet, bushy, each **35c;** 3 to 4 feet, bushy, **50c;** 5 to 6 feet specimens, **75c** to **$1.00.** Tree form, 3 foot stem, **$1.00.**

Tomentosum. **(B.)** (The single form of the beautiful Japan Snowball.) Flowers pure white, in great profusion early in June. Perfectly hardy; vigorous and free-blooming; very desirable. 1 to 1½ feet, bushy, **30c,** 2 to 3 feet, extra bushy, **50c.**

WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. Distinct and beautiful. 2 to 3 ft., **35c.**

Candida. White Weigelia, flowering throughout the summer. 2 to 3 ft., **35c.**

Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all Weigelias. 2 to 3 feet, **35c;** 3 to 4 feet, **50c**

Floribunda. Fine variety, flowers dark red. Profuse bloomer, 2 to 3 ft., **35c;** 3 to 4 ft , **50c.**

Nana Variegata. **(C.)** One of the most conspicuous shrubs; leaves beautifully margined, creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 2 feet. **50c.**

Rosea. A beautiful shrub, with rose-colored flowers in May and June. 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Sessilifolia. A native shrub 3 to 4 feet high, of somewhat spreading growth bearing terminal, loose heads of yellow flowers in July, continuing for some weeks. 1½ to 2 feet, **35c.**

Sieboldi Variegata. (Variegated-Leaved Weigelia.) One of the handsomest variegated-leaved dwarf shrubs grown. The foliage is edged with silvery white. Fowers, pink, June. 2 to 3 ft., **35c.**

WILLOW. See Salix,

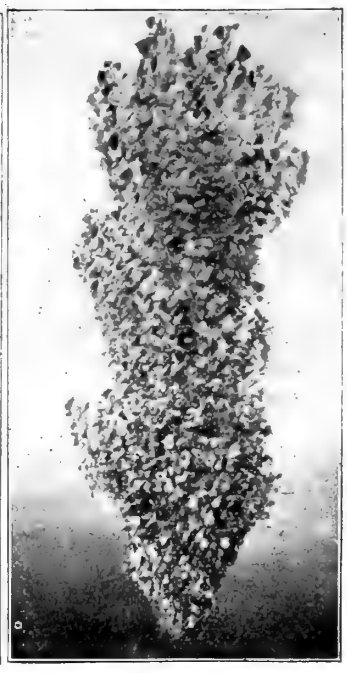
WITCH HAZEL. See Hamamelis.

Selection of Shrubs for Hedges.

Bush Honeysuckle, Hydrangea Paniculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Ibota and Amoor, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei.

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is free on request.

NORWAY MAPLE



LOMBARDY POPLAR

A BLOCK OF ENGLISH ELMS AT OUR NURSERIES

SHADE AND ORNAMENTAL TREES

We invite a visit to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.,) two blocks south of 47th Street, the continuation of East Boulevard.

Prices of 3 and 12 of a kind are given on page 125.

Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

SHIPPING DIRECTIONS: Shrub orders amounting to $5.00 and over include prepayment either by express or freight, within limits of Chicago, Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office.

ALDER (Alnus)

Glutinosa. (European or Common Alder.) A remarkably rapid-growing tree, attaining a height of from thirty to sixty feet. Foliage roundish, wedge-shaped and wavy. This species is especially adapted to moist situations. 6 to 8 ft., 1½ in., cal., **$1.25;** 8 to 10 ft., 2½ in., cal., **$2.25.**

ASH (Fraxinus)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting. 8 to 10 ft., **75c;** per 100, **$50.00;** 10 to 12 ft., 1½ inch cal., **$1.25;** per 100, **$75.00;** 10 to 12 ft., 2 inch cal., **$2.00;** 12 ft., 2½ to 3 inch cal., **$3.00;** 12 ft., specimens, 3 inch cal., **$5.00 to $6.00.**

Excelsior. (European Ash.) A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. It thrives in moist ground. 8 to 10 ft., **75c;** 10 to 12 ft., **$1.25;** 12 ft., 2 to 2½ inch cal., **$2.50;** 12 ft., 3 inch cal., **$3.00 to $5.00.**

Viridis. (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting. 8 to 10 ft., **75c;** 10 to 12 ft., 1½ in. cal. **$1.25;** 10 to 12 ft. 2-2½ in. cal. **$2.00;** 10 to 12 ft., 2½ in. cal., **$3.00.**

BIRCH (Betula)

Alba Laciniata. (European White Weeping Birch.) A graceful tree, with silvery bark and slender branches. Quite erect when young, but after four or five years' growth assumes an elegant drooping habit, rendering the tree very effective in landscapes. 8 to 10 ft., **$2.00;** 10 to 12 ft., **$2.50.**

Lenta. (Sweet Bark or Cherry Birch.) A native tree with dark brown bark and bronze-reddish twigs. Leaves somewhat heart-shaped. Thrives in low as well as high ground. 10 to 12 ft., specimens **$2.50 to $3.50** each.

BOX ELDER (Ash-Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, turning yellow in early autumn. 8 to 10 ft., **$1.00.**

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for lansdcape designing, especially for formal effects. 6 to 7 ft., clear stem, 2-year heads, each, **$2.00 to $2.50.**

Kaempferi. (Japan Catalpa.) A species of rapid growth, with deep green, glossy foliage. Flowers fragrant, cream-colored, speckled with purple and yellow; seed pods long and very narrow; two weeks later than syringaefolia. 8 to 10 ft., **$1.25;** 10 to 12 ft., 2 to 2½ inch cal., **$2.50.**

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 8 to 10 ft., **$1.25;** 10 to 12 ft., 2½ inch cal., **$2.00;** 10 to 12 ft., 3 to 4 inch cal., **$3.00 to $5.00.**

Syringaefolia. (Common Catalpa.) Native of the Southern States. A showy rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves, and pyramidal cluste of white and purple fragrant flowers. 8 to 10 ft., **$1.75.**

CRAB See **Malus Floribunda** page 129.

Crataegus - Hawthorn

Carrieri. Hardy tree with spreading branches attaining height of about 20 ft. Pinkish flowers with red disc. Very ornamental. 8 ft., 2 in. cal., **$2.00 each.**

ELM (Ulmus)

American Elm. Tall and stately with a graceful wide spreading form (vase-like), densely covered with a rich bright green foliage. It stands alone as an ornamental shade tree. The hardiest and most vigorous of all trees. The very best tree for street planting. 7 to 9 ft., **75c;** per 100, **$50.00;** 7 to 9 ft., 1½ inch cal., **$1.75;** per 100, **$125.00;** 8 to 10 ft., 2 inch cal., **$2.25;** 10 to 12 ft., 2½ inch cal., **$3.00 to $4.00;** 10 to 12 ft., 3 inch cal., **$4.50 to $6.00;** 10 to 12 ft., 4 inch cal., **$7.00 to $12.00;** 12 ft., 5 inch cal., **$12.00 to $18.00;** 12 ft., 6 inch cal., **$18.00 to $30.00.**

Campestris Dampieri, Pyramids 8 to 10 ft. **$1.75.**

English Elm. (U. Campestris.) A large tree with spreading branches forming a round-topped crown. Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree in both lawns and avenues. 10 to 12 ft., **$2.00;** 12 to 14 ft., 1½ to 2 in. cal., **$2.75;** 12 to 14 ft., 2 to 2½ in. cal., **$3.00** to **$5 00** each.

Scotch Elm. (U. Campestris Latifolia.) A very robust tree with large leaves. One of the best shade trees; its handsome foliage retained until late autumn. 10 ft., 1½ to 2 inch cal., **$3.00;** 10 ft., 2 to 2½ inch cal., **$4.00;** 10 ft., 3 inch cal., **$5.00 to $6.00.**

Monumental Elm. (U. Campestris Monumentalis.) A slow growing variety forms a straight dense column reminding one of a Lombardy Poplar. Very distinct and beautiful. Not so likely to be attacked by insects as our native elms. 8 to 10 ft., **$1.75;** 10 to 12 ft., **$3.75.**

Horizontalis. Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem. 5-year heads, **$6.00 to $12.00.**

Montana Var. Camperdown Pendula. (Camperdown Weeping Elm.) A very picturesque and graceful form with drooping branches; grafted high on straight stems. It is of rank growth, the shoots often making a zigzag growth outward and downward of several feet in a single season. 8-ft. stems, 4 and 5 year heads, **$6.00 to $18.00.**

Purpurea. (Purple-leaved.) A variety with large purple leaves, in the spring changing to dark green as season advances. 10 ft., 3 inch cal., **$4.00 to $6.00;** 10 ft. 4 in. cal., **$7.50 to $9.00.**

Huntingdon Elm. (Ulmus Vegeta.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 6 to 8 ft., **$1.00;** 8 to 10 ft., **$1.75.**

GINGKO BILOBA (Maidenhair Tree)

This tree is remarkable as a deciduous member of the Pine family, with leaves that resemble those of the Maidenhair Fern. Its value lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds. Of medium height, pyramidal in growth, sparsely branched, and of characteristic irregular outline. 5 to 6 ft., **$1.75;** 10 to 12 ft., **$3 00;** 8 to 10 ft., 2 to 2½ in. cal., **$4.00 to $600.**

JUDAS TREE (Red Bud)

It blooms in early spring. Its masses of small delicately rosy red flowers wreathe the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., **$1.25**; 6 to 7 ft., **$1.75**.

LINDEN (Tilia)

Americana. (American Linden.) A fast growing, upright, close-headed native tree with large leaves and fragrant flowers. Grows well in light soil. 12 ft., 2 to 2½ in. cal., **$3.00 each.**

Crimean Linden. (T. dasystila.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark lustrous green on the upper surface, pale beneath, turning yellow and brown in autumn. A distinct and valuable Linden. 10 ft., 1½ to 2 in. cal., **$2.25 each.**

LOCUST (Robinia)

Pseud-acacia. (Black or Yellow Locust.) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 6 to 7 ft., **$1 00**; 8 to 10 ft., **$1.50.**

Honey Locust (American.) (Gleditschia Triacanthus.) A tree of picturesque outline and rapid growth. Thrives on very light soils. Often used for hedges and wind-breaks. 6 to 8 ft., **$1.00**; 8 to 10 ft., **$1.75.**

MAGNOLIA **See page 129.**

MAPLE (Acer)

Silver Maple. (Dasycarpum.) A large tree with wide spreading branches and drooping branchlets. Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting with high set branches. 8 to 10 ft., **$1.00**; 10 to 12 ft., **$1.25** to **$1.50.**

Wier's Cut-leaved Silver Maple. (Dasycarpum Wierii.) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath and on the young wood, especially deeply and delicately cut. 10 to 12 ft., 3 in. cal., **$3.00** to **$4.00.**

Geneva (Purple-leaved.) A variety of the Norway from Geneva, N. Y. The foliage takes on a handsome purple tinge in July, retaining it until the leaves fall. 7 to 8 ft., 2 in. cal., **$2.50.**

Japanese Maple—See page 129.

Norway Maple. (Platanoides.) A large, handsome tree, of spreading rounded form, with shiny, deep green foliage. Usually very symmetrical. Its compact habit and stout vigorous growth render it one of the most desirable species for the street, park or lawn. 10 to 12 ft., 2 in. cal., **$2.50**; 10 to 12 ft., 2½ in. cal., **$3.00** to **$4.00**; 10 to 12 ft., 2½ to 3 in. cal., **$4.00** to **$6.00**; 10 to 12 ft., 5 in. cal., **$20.00** to **$15 00.**

Schwedleri (Purple-Leaved Maple.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same form and other characteristics of the **Norway Maple.** 10 ft., **$2.00** to **$3.00**; 10 to 12 ft., selected **$3.00** to **$4.00**; 7 to 8 ft., specimens, 3 to 4 in. cal., **$6.00** to **$15.00.**

MOUNTAIN ASH (Sorbus)

Hardy ornamental trees, with handsome foliage and showy red fruits. They thrive in most any soil and are particularly valuable as specimen trees for the lawn. The fruits are eagerly sought by the birds and a few trees near the house will give bird lovers much pleasure in early autumn.

European Mountain Ash. A small tree with a symmetrical round topped crown. Native of Europe and Asia. Leaves are compound with 9-15 leaflets, of dark green turning a golden yellow in autumn. The white flowers borne in broad flat corymbs are followed in fall by large clusters of bright red berries. 7 to 8 ft., **each 10c**; per 100, **$10.00**; 8 to 10 ft., **80c**; per 100, **$60.00**; 10 to 12 ft., 2 in. cal., **$1.50**; 10 to 12 ft , 2½ in. cal., **$2.25.**

Golden-Leaved Mountain Ash. A handsome variety, foliage bright yellow. Very effective. 10 to 12 ft., 2 in. cal., **$2.00.**

Weeping European Mountain Ash. A beautiful variety of rapid growth and decidedly pendulous and trailing habit. 6 ft., **$1.50.**

MULBERRY (Morus)

Russian Mulberry. (Tartarica.) A very hardy and vigorous grower, producing sweet fleshy fruits in abundance which is a great attraction for the birds. Equally fine for hedge, border or specimen. 8 to 10 ft., 1½ in. cal., **$1.25.** For smaller sizes see page 129.

Weeping Mulberry. The most beautiful weeping tree of recent introduction. The slender branches grow downward parallel with the stem, forming an umbrella-like shape. All who have seen it agree that in light, airy gracefulness and delicacy of form, it is without a rival. It undoubtedly takes the foremost place among weeping trees; it has beautiful foliage, is hardy, enduring the cold of the north and the heat of the south. 6 ft., 2 year heads, **$2.00.**

PLANE (Platanus)

Plane Tree or Sycamore. (Occidentalis.) A large and lofty tree with massive branches forming a wide crown. Foliage a bright green, flowers and fruit pendulous, the latter about one inch in diameter. A rapid growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke. 8 to 10 ft., **$1.50** to **$2.00 each.**

POPLAR

Rapid-growing trees of great hardiness, extensively used for windbreaks, street trees and ornamental planting. They thrive in almost any soil, but attain their greatest proportions in moist rich loam.

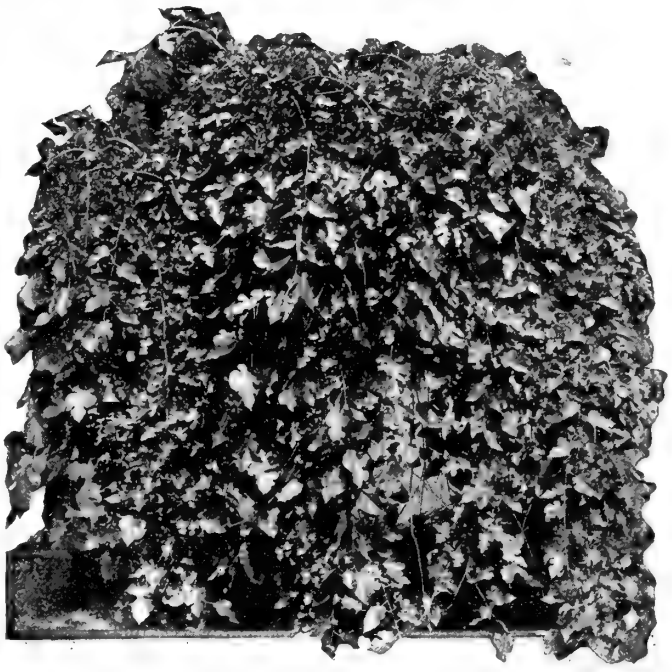
Bolleana. A very compact upright grower, resembling the Lombardy Poplar, with leaves glossy green above and silvery beneath. 8 to 10 ft., **$1.00** to **$1.25**; 10 to 12 ft., **$2.50** to **$3.00.**

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted 6 to 8 ft., **25c**; per 100, **$12.00**; 8 to 10 ft., **65c**; 10 to 12 ft., 2 in. cal., **$1.00**; 12 to 14 ft., 2½ in. cal., **$2.50**; 12 to 14 ft., 3 in. cal., **$3.00** to **$4.00.**

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree. Leaves triangular, the borders serrate, dark green, borne on flattened petioles, moving freely in the wind.

	Each	Three	Doz.	100
6 to 8 ft	$0 25	$0 65	$2 40	$10 00
8 to 10 ft	50	1 40	5 00	35 00

Norway. Very similar to Carolina Poplar. 6 to 8 ft., **25c**; per 100, **$10.00.**



WEEPING MULBERRY (M. Tartarica Pendula)

TREE OF HEAVEN (Ailanthus)

Tree of Heaven. (Glandulosa.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. One of the most distinct ornamental trees with pinnate foliage. Flowers in large panicles followed by dense fruit clusters which are highly colored in autumn. Thoroughly hardy and has ability to withstand the smoke and gases of the city. 6 to 8 ft., **$1.00.**

WALNUT (Juglans)

Japonica. (Japan Walnut.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 3 to 4 ft., **50c.**

Nigra. (Black Walnut.) A native species of great size and majestic habit. Bark very dark and deeply furrowed. Foliage beautiful, each leaf being composed of from thirteen to seventeen leaflets. 6 to 8 ft., **$1.00.**

EVERGREEN TREES BY MAIL

Postpaid—12 Packages as Below

Fine for Hedges; Windbreaks and Ornamental Lawn planting. These packages cannot be broken. By mail postpaid to destination. Safe arrival guaranteed to any point in United States. Price, **$1.00 per package; any 6 packages for $5.00.**

Complete planting instructions and cultural directions will be furnished with each order.

There is unquestionably no better way of beautifying your grounds than surrounding it with beautiful Evergreens. Evergreens are a permanent asset. They are everlasting and add to the beauty of the home winter and summer. Plant some Evergreens around your garden, and just see how much difference there is in the temperature and moisture. You will find that you can grow flowers, fruits and vegetables that you never could before. Groups of Spruces, Pines, Firs and individual trees here and there about the yard, and along driveways, change a dreary house into a comfortable home. Remarkable effects are produced by Evergreens, with color and foliage blending harmoniously—full of mystery dawn or dusk. In summer they are cooling and refreshing. In winter they add color, warmth and cheerfulness.

These varieties have been thoroughly tested and proven absolutely hardy and reliable, and will grow successfully in all parts of the country. Complete planting instructions and cultural directions will be furnished with each order sent. Send in your orders as early as possible to avoid dissoppointment, as stock is limited. Shipment will be made in March, April or May. You cannt afford to overlook these wonderful collections.

1.—100 Norway Spruce	3 yr. Seedlings
2.—100 Scotch Pine	2 yr. Seedlings
3.—100 Douglas Fir	2 yr. Seedlings
4.— 50 Colorado Blue Spruce	2 yr. Seedlings
5.—100 White Pine	2 yr. Seedlings
6.— 50 Black Hill Spruce	3 yr. Seedlings
7.—100 Amer. Arbor Vitae	3 yr. Seedlings
8.—100 Dwarf Mountain Pine	3 yr. Seedlings
9 —100 Jack Pine	2 yr. Seedlings
10.—100 Concolor Silver Fir	2 yr. Seedlings
11.—100 Ponderosa Pine	3 yr. Seedlings
12.—100 White Spruce	3 yr. Seedlings

Price postpaid, $1.00 per package, and 6 for $5.00.

For General List of Conifers see next page.

Hardy Coniferous Evergreens

Partial view of a block of Blue Spruce in Vaughan's Nursery at Western Springs, Ill.

Evergreens include some of the most beautiful trees in cultivation and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges nothing is to be had which will give as thick and dense foliage during the entire season.

They are especially beautiful while all other ornamentals are bare during our desolate winters. A remarkable cont rast may be had by planting in informal masses to form a background for the showy flowers of spring blooming shrubs. Even the beauty of the twigs and branches of small trees and bushes is enhanced by such a planting.

All of our evergreens are transplanted every two years and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done at a time when the trees are dormant. This permits of planting during September or in the early spring, April or May.

We offer special collections of seedlings on previous page.

ABIES—Firs

Balsamea. (Balsam Fir.) A very erect, pyramidal tree, with dark green foliage; very hardy. 4 ft. **$3.00 each.**

Concolor. (Silver Fir of Colorado.) A Rocky Mountain variety of evergreen without a peer in its native haunts. Its graceful arrangement of branches, covered with a richly colored foliage of bluish tint above, and silvery gray below, makes it a beautiful specimen for lawn planting. 3½ to 4 ft., **$4.00 to $5.00 each.**

JUNIPERUS—Junipers and Cedars

Communis Hibernica. (Irish Juniper.) Now becoming one of best-known and most popular forms of our common Juniper; of uniform rapid growth, requiring but little trimming. 3 to 4 ft., **$1.50;** 4 to 5 ft., **$2.50 to $3.00.**

Communis Hibernica Erecta. Similar to the preceding but of more upright growth. 1½ ft., **$1.00;** 3 ft., **$2.50.**

Communis Neoboriensis. Forms a distinct pyramidal tree 10 to 12 feet in height, of a decidedly fastigate habit. The branches are densely clothed with rich very glaucous foliage. It is one of the handsomest of the Junipers for formal work. 2 ft., **$2.00 each.**

Communis Suececa (Swedish Juniper). More hardy than the Irish Juniper although not so rapid in growth. A beautiful pyramidal form with foliage of a yellowish green. 15 in., **$1.00 each.**

Japonica Arg. Variegata (Silver Variegated Juniper.) Foliage beautiful glaucous green, regularly interspersed with branchlets of a pure white. A distinct, rare and beautiful variety. 2½ ft., **$2.50;** 3½ ft., **$3.50.**

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens where perpetual green is desired. It attains a height of about 12 ft. 1½ to 1¾ ft., **$1.50;** 2 to 2½ ft., **$2.50 each;** 3 ft., **$3.00 each;** 3 ft., specimens, **$5.00 each;** 4 ft., specimens, **$8.00 each;** 5 ft., specimens, **$10.00 each;** 6 ft., specimens, **$18.00 each.**

Sabina (Cedar or Savin.) A dwarf spreading evergreen with trailing branches suitable for rock work. 1½ ft., **$1.25;** 2 ft., **$1.50.**

Procumbens (Trailing Juniper). Prostrate creeping habit. Fine for growing over rocks and dry banks. 1½ ft., **$2.00.**

Sabina Tamariscifolia Gracilis. A good hardy variety of a trailing and spreading nature, with rich, thick green foliage, growing to the height of about 5 ft. Owing to its wide spreading qualities it is fine as a single specimen and excels as a border for plantings of taller evergreens. 9 in. by 15 in., **75c;** 15 in. by 18 in., **$3.00.**

Virginiana (Red Cedar.) A rapid, erect grower, with bright rich green foliage. Very ornamental. 3½ ft., specimens, **$3.00.**

Virginiana Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage, particularly attractive in winter when the golden bronze of the young growth is contrasted with the dark green of the older. 1½ ft., **$1.25;** 2½ ft., **$2.50.**

Virginiana Glauca (Blue Virginia Cedar). A vigorous growing variety with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 15 in. by 18 in., **$1.00;** 2 ft. by 1 ft., **$1.75;** 3 ft. by 1½ ft., **$2.50.**

Virginiana Schottii. Best of all the green Junipers; fine pyramidal form with foliage of a peculiar bright green. 2 ft. by 1 ft., **$1.25;** 2½ ft. by 1½ ft., **$1.75;** 2½ ft., **$2.25;** 3 ft. by 1½ ft., **$3.00;** 3 ft., specimens, **$4.00.**

PICEA—Spruce

Evergreen trees of pyramidal growth, very hardy and especially suited to Middle, Western and Northern States.

Excelsa (Norway Spruce). A tall and beautiful tree, most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 3 ft., **$1.00;** 4 ft., **$1.50** to **$2.00;** 5 ft., **$2.50.**

Excelsa Alba (White Spruce.) This fine compact spruce resembles the Norway Spruce, excepting that it is much more compact and a slower grower. It is also very much hardier. 4 ft., **$3.00 each.**

Excelsa Nigra (Black American Spruce). A small or medium size tree, a native of Northern America, of great hardiness and particularly useful for planting in the northern states. 18 to 24 in., **75c,** 2½ ft., **$1.50.**

Omorika (Servian Spruce.) A distinct and remarkably ornamental species of dense growth with narrow outline, having shiny leaves of dark green with white lines above. 1¾ by 1 ft., **$1.25;** 2½ ft. by 3 ft., **$2.50.**

PICEA—Spruce—Continued

Pungens Glauca Kosteriana (Koster's Blue Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. Ours are well-shaped trees, especially selected from our large stock. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape.

The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

18 in.	**$2.50 to $3.00**	4 ft.	**$ 8.00 to $10.00**
2 ft.	**4.00 to 5.00**	5 ft.	**10.00 to 15.00**
2½ ft.	**5.00 to 6.00**	5 to 6 ft.	**15.00 to 20.00**
3 ft.	**6.00 to 7.00**	6 to 7 ft.	**20.00 to 30.00**

Pungens Pendula (Weeping Blue Spruce.) A rare and charming form of this popular hardy evergreen. 4½ to 5 ft., **$10.00 each.**

PINUS—Pines

Austriaca (Austrian Pine.) A stately tree of pronounced type, growing regular shaped boughs, upward inclined, with rich foliage some 4 inches long and producing cones of a shiny brown color about 3 inches in length. It makes tall rapid growth and adapts itself well in many parts. Is splendid for shelter purposes or as specimens on lawns. 2 to 2½ ft., **$1.00 to $1.50 each.**

Montana (Swiss Mountain Pine). An attractive vigorous growing dwarf pine of dense bright green foliage, especially adapted for rock plantings in small gardens. 12 in. high by 18 in. in diameter, **$1.50 each;** 2 ft. high by 1½ ft. in diameter, **$3.00 each.**

Mughus (Dwarf Pine). A low growing handsome evergreen with vivid colored leaves of a twisty nature and cones of a brown, grayish tinge. 12 in. high by 18 in. in diameter, **$1.50 each.**

TAXUS—Yew

Cuspidata (Japanese Yew). One of the hardiest, of spreading habit, foliage light green. 1½ ft., **$1.00 each.**

Cuspidata Brevifolia. A form of the above with short dark, green leaves. A very handsome hardy variety; rare. 2 ft. by 1¼ ft., **$2.50 each.**

THUYA—Arborvitae

Occidentalis. (American Arborvitae). A very pretty shapely tree of pyramidal form. Is a native of America and grows easily, attaining a height of some 20 ft. The foliage is a fresh vivid green, mellowing to a softer shade on the under side of leaf, turning in winter to a bronze. It makes a valuable plant for winter decorations to be kept in vases or tubs. 12 to 18 in., **35c;** 2 to 3 ft., **$1.00;** 3 ft., specimens, **$1.50;** 3 to 4 ft., specimens, **$1.75;** 4 to 5 ft., specimens, **$2.25.**

Occidentalis Compacta. A dwarf, rapid-growing variety, forming a globe of light green foliage. 15 in. to 18 in. extra bushy, **$1.00.**

Occidentalis Eblwangeriana. A low, broad pyramid, with slender branches clothed with two kinds of foliage; useful where low-growing forms are needed. 15 to 18 in., bushy, **$1.00.**

Occidentalis Globosa Nova. A distinct and desirable dwarf ornamental tree. Foliage a pleasing shade, requiring little clipping. Growth compact and globular. 1¾ ft. by 1 ft., **$1.25;** 1½ ft. by 2 ft., **$2.00.**

Occidentalis Rosenthali. Hardy compact grower with dense foliage of dark green. 1½ ft. by 9 in., **$1.25;** 2¼ ft. by 1¼ ft., **$2.25;** 3 ft., **$3.00.**

Occidentalis Spiralis. Very hardy and upright compact growth. 2 ft., **$1.75;** 3 ft., **$2.50.**

Occidentalis Siberica (Siberian Arborvitae). 15 to 18 in. Extra bushy, **$1.00.**

Occidentalis Warriana. The hardiest of American Arborvitae, although of somewhat slower growth; it has a dense and symmetrical form and dark green foliage. 1¼ ft. by 1½ ft., **$1.00;** 2 ft., **$1.25;** 2 to 3 ft., **$1.75;** 3 ft., **$2.00.**

Pyramidalis. Valuable and very hardy. Habit much like the Irish Juniper. 3 to 4 ft., **$2.00.**

Thuyopsis Standishi. (Japanese Arborvitae). A beautiful and attractive species with short horizontal branches, and bright green foliage. This tree grows especially well in moist locations. 1¾ ft. by 1 ft., **$1.25;** 2 ft. by 1¼ ft., **$1.50;** 2¼ ft. by 1¼ ft., **$1.75.**

TSUGA—Hemlock

Canadensis. (Canadian Hemlock). A tall and graceful tree with drooping spreading branches of dark glossy green foliage. Indispensable for parks or landscapes. 3 to 4 ft., specimens, **$2.00;** 4 to 5 ft., specimens, **$3.00** to **$4.00.**

VAUGHAN'S CHOICE FRUIT TREES

The season for planting fruit trees varies with the latitude and altitude of localities, and is really regulated by the appearance and disappearance of frost. Fall planting can be commenced about the middle of October until the ground is frozen, and the spring planting can be done as soon as the frost is out of the ground, the sooner the better. Orders should be sent in beforehand so as to have a minimum of delay; one can readily understand the work we have to get through, practically a whole years' business in three or four weeks during the latter part of March and beginning of April, and it is only fair to our customers that we should execute orders so far as possible in strict rotation.

Pruning. It is very important that the root system and amount of branches balance. No matter how carefully the trees may be dug a portion of the roots are broken or cut off and the balance that exists is deranged. It is therefore necessary that the branches be pruned. Many people are not aware of this and will plant exactly as received from the nursery. A more fatal error could not be made. Prune the branches of fruit trees 5 to 7 ft. in height with 3 to 5 ft. clear stem back to within 3 or 4 buds of their base. Cut back all broken or bruised roots smoothly to sound wood.

We shall be glad to prune fruit and other trees ready for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue prices are for trees unpruned. **All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.**

A leaflet on PLANTING, MANURING and PRUNING fruit trees will be sent free to all applicants.

Spraying. Climatic and other conditions vary so greatly for different localities that we strongly advise our customers to obtain data on what, how and when to spray, and materials to use direct from their own State Experiment Station. All of them publish, for free distribution, complete bulletins on this subject and can supply the most reliable and definite information.

SUITABLE DISTANCES FOR PLANTING

	Ft. apart each way		Ft. apart each way
Apples, Standard	30 to 40	Raspberries	3 to 4
Pears and Cherries	20	Currants, Gooseberries	3 to 4
Plums	16 to 20	Blackberries	3 to 7
Peaches	16 to 18	Grapes	8 to 10
Quinces	10 to 12	Strawberries	1 by 3

Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects and diseases, will be attached to all freight and express shipments.

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

Prices for 3 and 12 **of one kind,** are the same as those on page 125.

APPLES

Autumn Strawberry. Red stripes, very white flesh. Bears young. 4 to 5 ft. **50c;** 5 to 6 ft., **60c.**

Baldwin. Large roundish; deep bright red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March. 4 to 5 ft., **50c;** 5 to 6 ft., **60c.**

Banana. Large clear yellow, fine quality. 4 to 5 ft., **50c;** 5 to 6 ft., **65c.**

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. Dec. to March. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Black Ben Davis. Stronger, hardier, and a better drought resister than Ben Davis; fruit large, solid, deep dark red. A very heavy cropper, and splendid shipper. 4 to 5 ft., **50c.**

Bismarck. Tree short, stocky grower, with thick, healthy foliage; hardy and productive; fruit large, handsome yellow, shaded and covered with red; tender sub-acid, quality the best, good for **both** dessert and cooking. Early and an excellent keeper. 6 to 8 ft., **$1.25.** Bush, on Paradise stock, 4 to 5 ft., **50c.**

Delicious. A remarkable variety introduced in the West several years ago where it is being largely planted and rapidly taking first rank. Fruit large,, nearly covered with brilliant dark red, flesh fine grained, crisp, melting; very highest quality. Splendid keeper and shipper. 4 to 5 ft., **50c;** 5 to 6 ft., **60c.**

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Sept. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Early Harvest. Medium to large; pale yellow; tender with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. Middle to end of August. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Gano. Large, roundish, dark brilliant red; flesh yellow, fine-grained, tender, pleasant, mild, sub-acid. A good shipper and late keeper. Tree a vigorous grower and very productive. Superior to Ben Davis, which it resembles. Feb. to March. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden yellow, with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich. Tree a slender grower, very productive. An excellent fruit; favorite market variety. Nov. to April. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Maiden's Blush. Rather large, smooth, with a fine evenly shaded red cheek or blush, on a clear, pale yellow ground; flesh white, tender, sprightly with a pleasant, sub-acid flavor; bears large crops. Valuable market sort. Sept. and Oct. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white tender and juicy. Tree very hardy. Nov. to Feb. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Newton Pippin. Green Newton Pippin. Medium, roundish; dull green, with a blush on the sunny side; flesh greenish white, juicy, crisp with a fine aroma and delicious flavor. Slow grower; requires high cultivation. Dec. to May. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor. The tree should be kept open by pruning, so as to admit the air and light freely. Jan. to June. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. Aug. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Rome Beauty. Large; yellow and bright red; handsome; medium quality, good bearer. Dec. to March. 5 to 6 ft., **60c.**

Salome. Tree a strong grower; holds its fruit firmly; early and annual bearer; fruit of medium and uniform size; quality very good, which it retains even into summer. May and June. 4 to 5 ft., **40c;** 5 to 6 ft., **60c;** 6 to 8 ft., **$1.00.**

Snow (Fameuse.) Medium size, roundish, handsome, deep crimson; flesh snowy white, tender, juicy, highly flavored and delicious. Productive and hardy. Nov. to Feb. 4 to 5 ft., **45c.**

Spitzenburg. Large, oblong and tapering; skin smooth, bright red, with numerous russet dots; flesh yellow, crisp, juicy, with a brisk, rich flavor. A moderate bearer. Dec. to Feb. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Tolman's Sweet. Medium pale yellow, slightly tinged with red; firm, rich and very sweet; the most valuable baking apple; productive. Nov. to April 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

APPLES—Continued

Wagener. Medium to large, roundish oblate; yellow, shaded and marked with red, often full deep red; flesh yellowish, tender, aromatic, mild sub-acid. Nov. to Feb., 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Walbridge. Medium, handsome, striped red; flesh crisp, tender, juicy. Tree vigorous grower. Especially desirable in cold sections for its hardness and productiveness. March to June 4 to 5 ft., **40c;** 8 to 10 ft., **$1.00 to $1.50.**

Wealthy. Healthy, hardy and very productive. Medium, yellow, shaded with deep red in the sun, splashed and spotted in the shade. Flesh white, fine, tender, juicy, lively sub-acid; very good. One of the most desirable late fall and early winter varieties. Oct. to Jan. 4 to 5 ft., **40c;** 6 to 8 ft., **$1.00.**

Wine-Sap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west Dec. to May. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish yellow, shaded with red or crimson; flesh white, half tender, juicy, pleasant, mild sub-acid, with a peculiarly spicy flavor. Jan. and Feb. 4 to 5 ft., **40c;** 5 to 6 ft., **60c;** 8 to 10 ft., **$1.00** to **$1.25.**

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear white at first, becoming a beautiful pale yellow when fully matured. Ripens before Early Harvest. July and Aug. 4 to 5 ft., **40c;** 8 to 10 ft., **$2.00;** 10 ft. specimens, **$2.50.**

CRAB APPLES

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. The fruit is unequalled for jelly and for vinegar, and is useful when dried, canned or preserved.

Early Strawberry. Greenish yellow, carmine stripes, good quality. 5 to 6 ft., **60c.**

Florence. Pinkish red, faintly striped with a darker red; wherever shaded it shows a deep yellow. The flesh is yellow, crisp, tender, juicy, brisk, sub-acid. The most profitable grower. 4 to 5 ft., **40c.**

Hyslop. The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Flesh yellow, very firm, juicy, sub-acid. Fruit is borne in clusters. Very good for jellies and other cooking purposes. 4 to 5 ft., **40c;** 5 to 6 ft., **60c;** 8 to 10 ft., **$1.00** to **$1.25.**

Siberian. Large, golden yellow; very popular. September. 4 to 5 ft., **40c;** 6 to 8 ft., **75c;** 8 to 10 ft., **$1.00.**

Sweet Orange. A seedling of the old Orange Crab, and resembles it somewhat, though more flat in shape and a lighter color. It is one of the most delicious fruits to eat out of the hand. 5 to 6 ft., **60c.**

Transcendent. An old variety, well known for its bright red color, good size, and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses. 4 to 5 ft., **40c;** 5 to 6 ft., **60c.**

Whitney. One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 4 to 5 ft., **40c;** 5 to 6 ft., **60c;** 8 to 10 ft., **$1.00** to **$1.25.**

CHERRIES

Dyehouse. Largely planted for early market, ripening a week before Early Richmond. Early, annual bearer, productive, fine size, good quality. Acid. June. 4 to 5 ft., **50c.**

Early Richmond. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries, is unsurpassed for cooking purposes and exceedingly productive. June. 4 to 5 ft., **50c.**

EARLY RICHMOND (Grafted on Morello.) This is the best type of Early Richmond for the vicinity of Chicago, producing much more fruits than trees grafted on Mahaleb, etc. 7 ft., **$1.75.**

English Morello. Medium to large; blackish red, rich, acid, juicy and good. very productive. Tree a moderate grower. One of the leading market sorts. July. 4 to 5 ft., **50c.**

Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June. 4 to 5 ft., **50c.**

Windsor. Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 4 to 5 ft., **50c.**

Wragg. Claimed to be much hardier than English Morello, which it closely resembles. July. 4 to 5 ft., **50c.**

PEACHES

Price, except where noted, each, 35c; 3 for $1.00: per 100, $25.00.

Champion. Middle of August. Fruit large, beautiful; skin creamy white, with red cheek; sweet.

Crawford's Early. Large yellow, of excellent quality. Vigorous and prolific.

Crawford's Late. Very large and productive, yellow; ripens about the close of the peach season.

Crosby. One of the hardiest; abundant bearer, bright yellow. September.

Elberta. Large, yellow; one of the leading market varieties. September.

Early Elberta. Larger, earlier and more highly colored than the preceding. Color, golden yellow, blending to a glorious red on the sunny side. 4 to 4 ft., **50c: 3 for $1.40.**

Red Bird Cling. Large, early and excellent quality. Best of the early shipping peaches. **Each, 50c: 3 for $1.40.**

Wonderful. Freestone peach; rich golden yellow, overspread with rich carmine.

PLUMS

Abundance. This is the plum for you, if you try but one. Lemon yellow ground, overspread with cherry; flesh yellow. August. 4 to 5 ft., **60c.**

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; bears young; fruit large, excellent quality, red with lilac bloom. August. 4 to 5 t., **60c.**

De Soto. Very hardy, bright red. September. 4 to 5 ft., **60c.**

Shropshire Damson A medium sized, dark purple variety; esteemed for preserving. Very productive. October. 4 to 5 ft., **60c.**

Wolf. Very popular, large, immensely productive. August. 4 to 5 ft., **60c.**

QUINCE

Meech. A vigorous grower and immensely productive. This fruit is large lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 3 to 4 ft., **50c;** 4 to 5 ft., **75c.**

PEARS

The soil best adapted for Pear culture is of rich and heavy quality. The fruit of summer and autumn varieties should be picked as soon as it has attained full size, when, if ripened in dark, dry closets, it is not subject to rotting at the core, and develops its best flavor. Pick winter sorts as soon as the weather indicates the liability of hard frost. Spraying is desirable at the blooming season, but leaf-blight can be treated only by cutting away the diseased limbs entirely. Thinning increases size and quality of the remaining crop.

Bartlett. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September. 4 to 5 ft., **60c.**

Clapp's Favorite. Resembles the Bartlett, ripening a few days earlier; hardy and vigorous either on the pear or quince. Care should be taken to pick the fruit at least ten days before it would ripen on the tree. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

Duchess. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

Early Harvest. Early, good size. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

Flemish Beauty. Large, juicy, rich, one of the hardiest. September and October. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

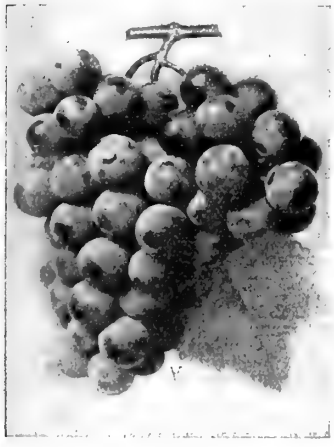
Kieffer. Good for preserving and canning; extra large; good bearer. October. 5 to 6 ft., **65c;** 10 to 12 ft. specimens, **$1.50.**

Koonce. Thoroughly tested for several years. Has produced good crop when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

Seckel. Small, yellowish brown, red cheek; best to eat out of hand, or for pickling September and October. 4 to 5 ft., **60c.**

BOOKS ON FRUIT GROWING

Berry Book,	The Biggle.	Cloth, 126 pages	**$0.50**
Fruit Growing,	Principles of. L. H. Bailey.	Cloth, 514 pages	**1.50**
Grape Culturist	Fuller s.	Cloth, 150 Illustrations	**1.50**



CONCORD

ENGLISH POT GROWN FIGS, GRAPE-VINES, NECTARINES, PEACHES AND OTHER FRUIT TREES

We import these on advance orders, only from one of the best and most reliable growers in England Prices on application.

SMALL FRUITS

SELECT GRAPES

(Except where noted) 2-year, **each 20c, 3 for 55c, doz. $2.00;** 3-year, extra heavy, **each 30c, 3 for 80c, doz. $3.00.**

If to go by mail, add 3c each for 2-year and 5c each for 3-year vines for postage.

There is scarcely a yard so small either in country or city that room for a few grapevines cannot be made. They do well trained to the side of any building or along the garden fences, occupying but little room and furnishing an abundance of the healthiest of fruit. Make the soil mellow and plant the vines from 6 to 8 ft. apart.

CAMPBELL'S EARLY, King of American Grapes. (Black.) A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thin; flavor rich and sweet. Price, 2-year-old vines, **each 30c, 3 for 80c, doz. $3.00 (exp.);** 3-year-old, **each 40c, 3 for $1.10, doz. $4.00. (exp).**

CAMPBELL'S EARLY

BRIGHTON. (Dark Red.) Bunches large; berries medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollenize itself. One of the best early red grapes.

CATAWBA. (Red.) Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

CONCORD. One of the most popular and reliable varieties grown; bunches large and compact, berries large round, almost black. Juicy and very sweet.

DELAWARE. (Red.) Bunches small, compact, shouldered; berries small, round; skin thin; flesh very juicy and very sweet. An early and abundant bearer.

DIAMOND. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp. A fine variety for both market and home garden.

NIAGARA. (White.) Vine hardy; unusually strong grower; bunches large and compact, mostly round; fruit semi-transparent, slightly ambered in the sun; skin thin, tough; sweet to center.

MOORE'S EARLY. (Black.) Bunch medium; berry large, round, with a heavy blue bloom; vine hardy and moderately prolific. Its large size and earliness render it desirable for an early crop.

WORDEN. (Black) Handsome, large, compact bunch; berries very large, skin thin; ripens five to ten days earlier than Concord.

SPECIAL OFFER No. 136 B The set of 9 grapes, 2 years, for **$1.50, (exp.)**

SPECIAL OFFER No. 136C The set of 9 grapes, 3-year, **$2,00, (exp,)** includes the excellent Campbell grape.

BLACKBERRIES

Each, 10c; per doz., 75c; per 100, $3.00.

If to go by mail, add 5c per dozen for postage.

ELDORADO. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black. Large clusters.

SNYDER. Extremely hardy, enormously productive, medium size; no hard, sour core; sweet and juicy; ripens early.

STONE'S HARDY. Best variety for the north; fruit rich and melting. Fine flavor; very productive.

Special Offer No. 136.—12 each of the above varieties for $1.25, (exp).

CURRANTS

Plant in rich ground about 4 ft. apart, cultivate well, prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears dust with Hellebore.

(Except where noted) 2-year, **each 15c, 3 for 40c, doz. $1.50;** 3-year, **each 25c, 3 for 65c, doz. $2.50.**

If to go by mail, add 3c each for 2-year and 5c each for 3-year plants. The larger plants **should be expressed.**

BOSKOOP GIANT. (Black.) This famous new currant of strong growth and free bearing quality, is in great demand, being especially adapted for preserving. 2-year, **each 20c, 3 for 55c, doz. $2.00;** 3-year **each 30c, 3 for 80c, doz. $3.00.**

FAY'S PROLIFIC. (Red.) The leading market variety. Extra large berries of uniform size, exceedingly productive. Perhaps no other currant has received so much praise, the demand most seasons being in excess of the supply.

LEE'S PROLIFIC. (Black.) The fruit varies from small to very large. The bush is rather short and dwarf. One of the best for general use.

NORTH STAR. (Red.) It is bright in color and is the **sweetest and best flavored currant known.** It is an early and prolific bearer.

PERFECTION, New. (Red.) Very large. A cross of the famous Fay's Prolific and the White Grape; originated by Mr. Chas. C. Hooker. A very productive variety with berries about as large as grapes, making it a valuable market sort. It is mild in flavor and free from sharpness. 2-year, **each 35c, 3 for 90c, doz. $3.50.**

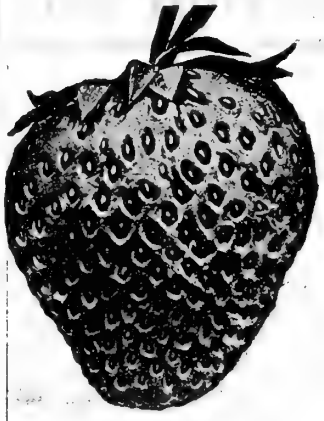
RED DUTCH. The old well known red currant. A strong tall upright grower. Berries medium size, dark red.

WHITE DUTCH. The well known white currant; medium size berries. Early.

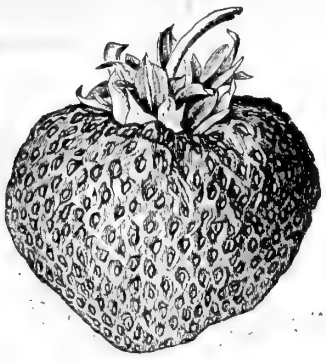
WHITE GRAPE. Very large; yellowish white and most productive of the white varieties; mild sweet flavor. A good table variety.

Special. We can supply strong 4 year old plants of Fay's Prolific and Red Dutch. Each, 35c; 3 for $1.00; dozen, $3.60 (by express).

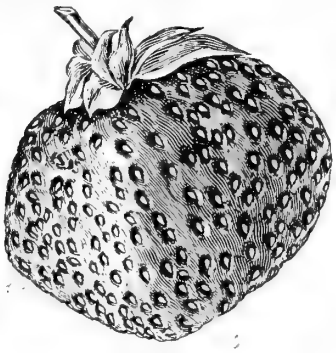
Special Offer 136A. One each of the 8 currants, 2 yr. plants for $1.25, (exp).



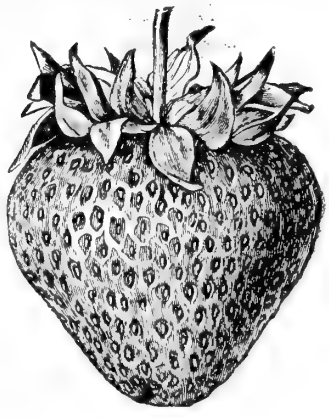
AUGUST LUTHER



GANDY



MARSHALL



SENATOR DUNLAP

SMALL FRUITS—Continued

GOOSEBERRIES

Good soil, thorough pruning, top dressing with manure are the essentials for a crop of gooseberries. They do best in a partly shaded place. For worms and mildew use Pyrox (Arsenate of Lead and Hellebore). Mixes easily in cold water.

2-year, **each 25c, 3 for 65c, doz. $2.50;** 3-year, **each 35c, 3 for 85c, doz. $3.50.** **If to go by mail,** add 5c each for 2-year, and 6c each for 3-year plants for postage. The larger plants **should be expressed.**

DOWNING. Large handsome pale green and of splendid quality for both cooking and table use. Is called "The Great American Gooseberry."

HOUGHTON. Color pale red; tender and good. Medium sized berries under ordinary care, but if thinned thoroughly in fall or spring, fruit will be greatly improved. A heavy yielder.

INDUSTRY. Dark red color when fully ripe; berries of largest size; excellent flavor. It is one of the heaviest croppers. Strong upright grower, less subject to mildew than most of the foreign varieties.

RED JACKET. It is one of the best red gooseberries in existence. The berries are large, smooth, bright red and of excellent quality. Has good foliage; mildew proof. A good yielder.

RASPBERRIES

Price. (Except where noted) **each 10c, 3 for 25c, doz. 75c, per 100 $3.00.** **If to go by mail,** add 10c per doz. for postage.

"THE HERBERT RASPBERRY." Red. A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry up to the present time. **Per doz. $1.00, 25 for $1.75.**

COLOSSAL. (Red.) Truly colossal, plant and fruit, and iron-clad in hardiness; a sprightly, sub-acid flavor.

COLUMBIAN. (Red.) Valuable and profitable. The fruit is cone-shaped, almost purplish color. Fruiting season extends from July 10th to August 15th.

GREGG. (Black.) Large, heavy bearer.

LOUDON. (Red.) The largest Red Raspberry we have ever seen. When boxed for market it outclasses everything in the Red Raspberry line and sells quicker and for more money. It is almost everbearing.

KANSAS. (Black.) The best of all the Black Caps, berries large or larger than the Gregg; jet black, firm, handsome and of the best quality; exceedingly productive.

OLDER. (Black.) Of strong growth, producing canes very much branched, giving more fruiting surface than any other Black Cap. The fruit is of a shiny coal black without bloom; rich, juicy.

NEW EVER-BEARING RASPBERRY

ST. REGIS. Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright crimson color, and firm, meaty substance. It is the earliest of all red raspberries, commencing to ripen in June, and bears a tremendous crop on the first canes, while the young canes continue to bear fruit in increasing numbers until frost sets in. **Awarded the highest certificate of merit by the American Institute of New York.** ¶Each, **10c;** doz., **75c;** 100, **$5.00.**

STRAWBERRIES

Varieties marked (*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as all are not so marked. Thus planted the (*) sorts are the most productive.

AUGUST LUTHER. **(Early.)** This is an extra early berry of value, medium size, bright in color, the shape tapering from an extreme fullness at the calyx. Will ripen ten days earlier than the Haverland, which it resembles in fruit and foliage. It can be successfully grown for marketing purposes or for family use, and it is a good shipper.

BRANDYWINE. **(Late.)** A berry that has truly earned the popularity it enjoys. Large, deep red fruit, and a fancy market product, thrives on almost any soil. Ripens with the medium late class. Flesh firm and red all the way through. Productiveness above the average, ships well and is one that can be depended upon to give general satisfaction to growers. Has a delicious flavor, foliage dark green, roots deep, enabling it to endure more dry weather than most varieties.

CLYDE. **(Early.)** The most productive variety yet introduced. Immense size. The berries are large, bright scarlet color with pink flesh of mild and pleasant flavor. A fine berry for home market.

STRAWBERRIES—Continued

GANDY. **(Late.)** This is one of the most reliable large late berries grown. It is one of the old standard varieties that you can depend upon. The fruit ripens very late, is large, dark red in color and produced in moderate amount.

MARSHALL. A well known variety of excellent quality. One of the richest flavored strawberries on the market. It is a strictly fancy berry, but not quite so productive as some other varieties.

PRIDE OF MICHIGAN. **(Mid-season.)** Fruit medium to large, of a dark glossy red color, firm and of good quality; a good producer. Good plant maker and stands drouth better than most kinds.

SENATOR DUNLAP. **(Mid-season.)** One of the best and most popular. It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to matt too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy. For a medium sized, productive, early to mid-season berry, you need not hesitate to plant.

SAMPLE. (*) **(Late.)** Good bearer, with large roundish berries of firm flesh, bright red color. The Sample is not only one of the most beautiful late berries but one of the largest and most prolific.

UNCLE JIM. **(Mid-season.)** There is no larger berry grown. It is a dark crimson and showy. It is very prolific and long season. Produces large, heavy, light colored plants which are models of growth.

WALDORF. **(New.)** Early vigorous foliage, strong grower and very prolific, exceeding in productiveness any variety in cultivation. The fruit is smooth, medium to large; color a bright scarlet; keeping qualities excellent and a splendid shipper. An ideal strawberry either for home use or for the market gardeners. **Doz. 35c., per 100 $1.50.**

WARFIELD. **(Mid-season.)** It has a large, beautiful, cone-shaped berry, with a fadeless dark red exterior, and the dark red color is retained to the center of this exceptionally juicy fruit, which is just tart enough to be deliciously palatable. It is a popular berry for canning.

WM. BELT. **(Mid-season.)** A most luxuriant grower and remarkably productive. Very large conical shaped brilliant glossy red berries of the very best flavor.

Price. Except where noted, **per doz. 35c. 100 $1.25, postpaid; per 1,000 $8.00 by express. For Spring delivery only.**

SPECIAL OFFER No. 137 A Strawberry collection, 100 fine strong healthy plants (Spring delivery only), in four good sorts, our choice, **prepaid, $1.25.**

STRAWBERRIES FOR SEPTEMBER AND OCTOBER DELIVERY

Strawberry Runners, as per above list, $2.00 per 100.
Strawberry Pot Plants, as per above list, $3.50 per 100.

FALL-BEARING STRAWBERRIES

Fall-bearing Strawberries seem to be no longer an experiment, they are becoming essential all over the country, and are making good every place they have been tested. If these varieties are disbudded, until say August 15th to September 1st, and allowed to fruit, they will give large quantities of ripe berries until checked by hard freezing. The two varieties we offer we consider the best.

Price, doz. 75c; 25 for $1.40; 50 for $2.25; 100 for $4.00, postpaid.

AMERICUS. This is the most wonderful everbearing Strawberry ever produced. It outrivals its parents both in large size and wonderful productiveness. Plants are strong, healthy and deep rooters. The fruit is medium to large in size, very firm, uniform shape, bright red, and has the native strawberry flavor.

PROGRESSIVE. This is the strongest growing plant of all the fall-bearing varieties we have seen. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits, of a dark red color both inside and out. The young plants are produced in good quantities.

SPECIAL OFFER 137 A. One dozen each of the two Fall-bearing Strawberries for **$1.40, postpaid.**

SPECIAL OFFER 137 B. 25 each of the two Fall-bearing Strawberries for **$2.25, postpaid.**

PLANTS BY MAIL

When ordering plants to be sent by mail, not offered at prepaid prices, please refer to postage rates on plants page 87.

Vaughan's Special Grass Mixtures, Golf Etc.

THE PUTTING GREEN

VAUGHAN'S PUTTING GREEN MIXTURE

All golf players recognize the importance to their playing of an accurate uniform turf on the putting green. A good green cannot be grown or kept on a poorly prepared, worn out piece of soil. The first requisite is proper soil conditions—then the right grass seed. What does best in one locality is not always the most desirable in another. We have had a good many years' experience in both the eastern and middle western sections of the United States and we solicit correspondence from golf clubs who have peculiar conditions to meet as to their soil, drainage and watering facilities. We believe we can afford such considerable assistance.

VAUGHAN'S PUTTING GREEN MIXTURE is a combination of seed of low growing, fine bladed grasses, which produce a close, firm, velvety turf under general conditions. There are no mysterious secret grasses or grass mixtures, as many seed salesmen would have you believe. All commercial grasses are well known, and quality, cleanliness and purity are easily determined. We know where to get the best samples and we buy them. We invite analysis and comparison. Vaughan's Putting Green Mixture, 1 lb. sows 350 to 400 sq. ft.

Lb., 35c; 5 lbs., $1.65; 50 lbs., $15.00; 100 lbs., $28.00.

KALAKA Combination of superior grass seed with concentrated dry manure. Quick germination. **2 lb. box, 50c; 5 lbs., $1.00. Sent by express only.**

Vaughan's Seed Store has been especially fortunate, considering the war conditions prevailing in Europe, in having a traveling buyer in French, Dutch and Belgian Bulb, Seed and Plant districts since the beginning of the war in August, and later in English and Scotch Grass Seed districts. We have therefore secured the best stocks from the best samples offered at original sources, under the most favorable market conditions.

VAUGHAN'S "GOLF LINK" (FAIR GREEN) GRASS SEED

The older Golf Links usually have mixtures they have found to be best suited to the need of their links. This mixture will give general satisfaction in the majority of soils, we recommend it.

The grasses in this mixture endure wear and tear, and retain their good appearance. Sow 75 to 100 lbs. per acre.

Per lb., 30c; 5 lbs., $1.25; 50 lbs., $12.00; 100 lbs., $22.50; special prices on larger quantities.

VAUGHAN'S MIXTURE FOR TENNIS LAWNS

For Cricket, Croquet, Bowling Greens, etc.

Sow 50 to 60 lbs. per acre for new lawn or Bowling Green; 15 to 20 lbs. per acre to improve existing turf.

Per lb., 30c; 5 lbs., $1.35; 15 lbs., $3.95; 25 lbs., $6.45; 50 lbs., $12.75; 100 lbs., $25.00.

VAUGHAN'S DEEP SHADE MIXTURE

For use under large trees where the shade is dense. Made up of the most expensive fancy grasses only, such as Wood Meadow, Rough Stalked Meadow, Slender Fescue, etc.

Lb., 50c; 5 lbs., $2.25. Per bu. of 20 lbs., $7.00.

VAUGHAN'S LAWN RESTORING GRASS MIXTURE

A mixture of grasses which take firm hold and grow quickly on hard, wornout or burned spots, best time to re-sow them is very early in the spring, and may also be sown in fall, first of September to first of October. Some lawn-restoring grass seed should also be sown before early summer rain on thin places.

Price—Per qt., 30c; per bu. of 24 lbs., $6.00.

VAUGHAN'S FAMOUS "CHICAGO PARKS" "CENTRAL PARK" AND "COLUMBIAN" LAWN MIXTURES

SEE PAGE 7

THE GRASS TENNIS COURT

VAUGHAN'S "QUICK SHOW" LAWN MIXTURE

Many people desire a lawn that will make a showing immediately after planting. This mixture contains the quickest growing grasses, but not the permanency or color of our "Chicago Parks."

Price—Per lb., 25c; 5 lbs., $1.00; 25 lbs., $4.75; 100 lbs., $18.00.

VAUGHAN'S SPECIAL GRASS MIXTURE

Extra choice mixture contains large proportion of finer and more expensive species, such as Rhode Island Bent, Crested Dog's tail, Creeping Bent, produces turf of the closest and finest texture possible. Sow 50 lbs. to acre.

Price per qt., 30c; bu. of 20 lbs., $6.50.

Vaughan's High Grade Recleaned Fancy Grass Seeds

Our endeavor is to handle only the very best and purest grass seeds. Our fancy grasses for lawns and golf courses, as well as our standard farm species, are direct from the producers and are the very best samples the market and season afford. We supply only the best and highest germinating seed and our prices are based on supplying this quality. We cannot, therefore, nor do we wish, to compete with half-cleaned, mixed and graded seed offered at cheaper prices. We shall be pleased to advise our purity and germination tests on each sample and invite an analysis and the closest microscopic inspection.

Prices on grass seed fluctuate like those of grain, changing daily, therefore, although we shall do our best to maintain the prices below, **these figures are at all times subject to market changes.** Should these seem high, write for the latest quotations. Our locations (Chicago, the grass seed center of the United States) and New York (the largest importing center) put us in a position to quote the very lowest prices on the qualities we supply. Samples free.

Prices do not include postage. If desired by mail, add postage according to zone rates. **Grain bags 25c each** extra for bushel lots or more. Unless otherwise noted, prices on this and the next two pages apply to shipments either from Chicago or New York.

FANCY KENTUCKY BLUE GRASS (Poa Pratensis)

KENTUCKY BLUE GRASS

The best of all grasses for the lawn and pasture. An ideal grass for limestone soils. It is much appreciated by animal breeders. It requires some time to establish itself. For a couple of years should only be lightly grazed. Time of sowing depends upon the locality. These are the principal times of sowing: in the Fall, in the early Spring, and again in June. Sow three bushels (fourteen pounds to the bushel) per acre.

The two grades mentioned below represent the highest grades of this seed which perfected cleaning machinery can produce. The result is purity and high germination. These are worth double the price of ordinary seed. Kentucky Blue Grass Seed offered at low prices is made up eitner of light screenings or is mixed with Canadian seed, a much inferior article.

Extra fancy sun dried seed:—twice recleaned. Very high germination Actual weight, twenty-eight pounds per bushel. Sold at legal weight, fourteen pounds.
1 lb., 25c; 10 lbs., $1.75; 100lbs., $15.

Fancy seed:—Actual weight, twenty-one pounds per bushel. Sold at legal weight, fourteen pounds. **1 lb., 20c; 1 bu. (14 lbs.), $1.75; 100 lbs., $9.50.**

AGROSTIS CANINA (Rhode Island Bent Grass)

A valuable lawn grass. Resembles Red Top somewhat, but has shorter and narrower leaves. Much used in the East, especially in the New England States. Makes a very fine colored, close turf and readily adapts itself to almost any soil, wherein again it is similar to Red Top. Of considerable value for permanent meadows and pastures. For lawn sow in spring 3 to 4 bu. per acre. This seed is imported, and on account of poor crop conditions in Europe this season, is scarce. 14 lbs. to the bushel. **1 lb., 40c; 10 lbs., $3.75; 100 lbs., $34.00.**

AGROSTIS STOLONIFERA (Creeping Bent Grass)

The ideal grass for golf-putting greens. Very distinct, with long prostrate or creeping stems. Its creeping root and spreading habit form a lasting turf that withstands hard usage better than other sorts. The leaves are fine and dense growing, making it valuable for low bottom lands and especially for slightly sandy soil. Good for both hay and pasture. Our sample is specially cleaned and heavy. Seed scarce. Sow in Spring 50 lbs. to the acre, 14 lbs. to the bushel. **Price, 1 lb., 40c; 10 lbs., $3.80; 100 lbs., $36.00.**

ALOPECURUS PRATENSIS (Meadow Fox Tail)

The most valuable grass for moist meadows and pastures, particularly the latter. Should enter into all mixtures for permanent pastures. Is never sown alone, as it does not reach maturity for two or three years. 7 lbs. to the bushel. Sow in Spring, 2 to 3 lbs. per acre, with other grasses.
Price, 1 lb., 45c; 10 lbs., $4.00; 100 lbs., $38.00.

ANTHOXANTHUM ODORATUM PUELLI (Sweet Vernal Grass)

Sow ½ lb. to lb. per acre with other grasses in the Spring. 10 lbs. to the bushel. **1 lb., 20c; 10 lbs., $1.85; 100 lbs., $16.00.**
ANTHOXANTHUM ODORATUM (True Sweet Vernal). A perennial. **Price, 1 lb., 50c; 10 lbs., $4.50.**

AVENA ELATIOR (Tall Meadow Oat Grass)

An excellent meadow grass both for Winter grazing and for hay for the Southern States and dry climates. Should not be sown alone, as it does not form a compact turf. Sow in Spring or Fall, 3 bu. per acre. 13 lbs. to the bushel. **Price, 1 lb., 25c; 10 lbs., $2.25; 100 lbs., $20.00.**

POA COMPRESSA (Canadian Blue Grass)

A hardy grass with dense creeping root stalks. Adapted to all soils. Recommended for the Eastern and Middle States for pasture and dairy use. Sow 3 bushels of seed to the acre in the Spring. 14 lbs. to the bushel.
Price, 1 lb., 15c; 10 lbs., $1.25; 100 lbs., $8.00.

ENGLISH BLUE GRASS (Festuca Pratense, or Meadow Fescue)

A native of Europe, it has become thoroughly naturalized here. The grass is a very permanent one and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow in the Spring 1½ bushels to the acre. Bu., 20 lbs., **1 lb., 20c; 10 lbs., $1.65; 100 lbs., $13.00.**

RED TOP GRASS (Agrostis Vulgaris)

RED TOP

Recognized by leading farmers as one of the most valuable meadow and pasture grasses. Especially adapted to moist soils. It will take root where some of the other fine grasses would fail. The nutritive value of the hay is not equal to Timothy, but as a combination for hay and then pasture it is unequalled.

Sow in the Spring or Fall alone, or with a nurse crop. One bushel of chaff or unhulled Red Top or one half bushel of fancy seed is sufficient to sow an acre.

For lawn mixtures along with other grasses it is in great demand, the fine grasses forming a dense close sward.

Fancy:—Solid seed, bushel, 32 pounds; **1 lb., 40c; 10 lbs., $3.75; 100 lbs., $35.00.**

Common:—Bushel, fourteen pounds. **1 lb., 16c; 10 lbs., $1.50; 100 lbs., $14.00.**

The Polo Field of the Rockaway Hunting Club at Cedar Hurst, L. I., is conceded by experts to be the finest in America. It has been top dressed with Vaughan's Polo Mixture for many years.
A. S. HUNTER, Supt.

BERMUDA GRASS (Cynodon Dactylon)

One of the best southern grasses for lawns and pastures. Resists drought and heat. Grows on sand. Will not grow in the shade. Hard to kill. Don't plant except where wanted permanently. Sow in Spring, 15 lbs. per acre. 36 lbs. to bushel. Southern customers should try this. **Price, 1 lb., $1.00; 10 lbs., $8.00.**

BROMUS INERMIS (Awnless Brome Grass)

Very successful on acid soils in great Northwest. Very strong, thick growth, making two splendid crops. Cut just blooming is almost equal to Timothy hay. Difficult to eradicate. Sow in permanent place. Useful along banks of streams to prevent washing. Good pasture. Extra cleaned seed. Sow in Spring, 2 bushels per acre. 14 lbs. to bushel. **Price, 1 lb., 20c; 10 lbs., $1.80; 100 lbs., $16.00.**

CYNOSURUS CRISTATUS (Crested Dogstail)

A valuable grass which is usually included in all Lawn Grass Mixtures. It thrives in all kinds of soil but is generally seen to the best advantage when sown on rich moist soils. In England it is in great demand for Putting Greens, as it forms a smooth, close, fine sward, so necessary for the skilled golfer. It has been tested in combination with Kentucky Blue Grass with excellent results. As a shade grass it does fairly well. We recommend a small proportion of this grass should be included in all good shade lawn grass mixtures. For lawn purposes it should be sown in the Spring with other grasses, about 5 lbs. to the acre. 21 lbs. to the bushel. **Price, 1 lb., 30c; 10 lbs., $2.60; 100 lbs., $22.00.**

ORCHARD GRASS (Dactylis Glomerata)

A very hardy grass, invaluable for pasture mistures. Ready to cut for hay before Timothy. Wet soils do not suit it. Not recommended for lawn mixtures as it grows in tufts and leaves bare spots. Sow in Spring, 20 to 25 lbs. of seed per acre. 14 lbs. per bushel. **1 lb., 25c; 10 lbs., $2.25; 100 lbs., $18.00.**

FESTUCA OVINA (Sheep's Fescue)

A good grass for up-land pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permit its use for lawn purposes. Sow in Spring 35 lbs. to the acre; 12 lbs. to the bushel. **Price, 1 lb., 25c; 10 lbs., $2.00; 100 lbs., $16.00.**

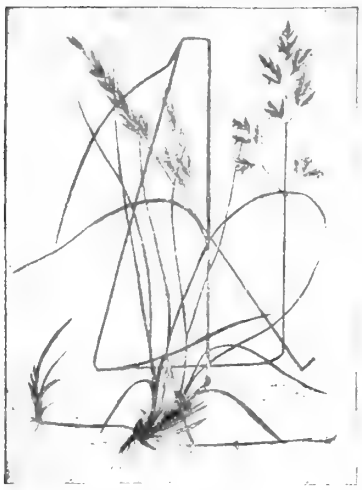
FESTUCA DURIUSCULA (Hard Fescue)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, and must be sown very thickly on account of its forming tufts. Sow in Spring 30 lbs. to the acre; 12 pounds to the bushel.
Price, 1 lb., 25c; 10 lbs., $2.00; 100 lbs., $16.00.

FESTUCA HETEROPHYLLA (Various Leaved Fescue)

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf. Saw in Spring 40 lbs. to the acre. Bu., 15 lbs. **Price, 1 lb., 30c; 10 lbs., $2.75; 100 lbs., $25.00.**

The moderate prices this year of some of our best grasses should stimulate free seeding. Ask for our samples and judge of their true value.



RED FESCUE.

FESTUCA RUBRA (Red or Creeping Fescue.)

An excellent bottom grass for pastures and especially for those which are quite shaded. For a lawn is unsurpassed and should be included in all shade mixtures. Sow in spring 30 lbs. per acre; 14 lbs. to the bushel. Price, lb., **30c;** 10 lbs., **$2.50;** 100 lbs., **$22.00.**

We have a trained University botanist in charge of our germination and microscopic tests of our seeds.

FESTUCA TENUIFOLIA (Slender Fescue)

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Good for edgings. Sow in spring 30 lbs. to the acre; 22 lbs. to the bushel. Price, lb., **40c;** 10 lbs., **$3.75;** 100 lbs., **$34.00.**

JOHNSON GRASS (Andropogon Halepensis)

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. Sow in spring 1½ bushels per acre; 25 lbs. to the bushel. Lb., **20c;** 10 lbs., **$1.50;** 100 lbs., **$10.00.**

LOLIUM ITALICUM (Italian Rye Grass)

Likes a rich, moist, loamy soil where the grass does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Withstands extremes of temperature and remains green throughout the Winter. Valuable in lawn grass mixtures demanding immediate effect. Sow in spring, 60 to 70 lbs. per acre. 18 lbs. to the bushel. Price, lb., **20c;** 10 lbs., **$1.00;** 100 lbs., **$8.00.**

LOLIUM PERENNE (English or Perennial Rye Grass.)

Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow in spring, 60 to 70 lbs. per acre.

Perennial Rye Grass—Extra heavy seed, 30 lbs. to the bushel. **Lb., 20c;** 10 lbs., **$1.50;** 100 lbs., **$10.00.**

Perennial Rye Grass—Standard weight, 24 lbs. to the bushel. **Lb. 12c; 10 lbs., $1.00;** 100 lbs., **$7.50.**

POA TRIVALIS (Rough-Stalked Meadow Grasss.)

A perennial species closely related to Kentucky Blue Grass. Does best in moist, cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow in spring, about 15 to 20 lbs. to the acre. 14 lbs. to the bushel. Price, lb., **40c;** 10 lbs., **$3.75;** 100 lbs., **$34.00.**

POA NEMORALIS (Wood Meadow Grass.)

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. Sow in spring, 30 to 35 lbs. per acre. 14 lbs. to the bushel. Price, lb., **40c;** 10 lbs., **$3.50;** 100 lbs., **$32.00.**

TIMOTHY (Phleum Pratense)

Chicago is the World's Timothy Center. Our samp'es are the best and prices the lowest. Vaughan's (V) Brand—better than 99 per cent. pure, and of high Germination. Market varies. (Bu., 45 lbs.). **Lb. 15c;** 10 lbs., **$1.25;** 100 lbs. **$9.50.** Grain bags. 22 cents each extra.

VAUGHAN'S HAY AND PASTURE SPECIAL GRASS MIXTURES

We have succeeded in these **Special Mixtures** in producing a heavier, thicker and longer continued growth of grass than when only one or two kinds are sown. We use in each mixture choice recleaned seeds of all the kinds named. Our numbers as below represent five mixtures most in demand and which have well pleased our customers. These mixtures mean quality with us. If you desire a lower priced mixture send us your idea of proportions and we will estimate. Don't take a poor article to save a little on price. It does not pay. Another thing, don't let any one persuade you to sow too thinly. At least 25 to 35 lbs. should be used of most of these.

VAUGHAN'S MEADOW MIXTURES.

No. 1. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.

This is composed of the following grasses and clovers, properly blended.

		Perennial Rye Grass
Fancy Red Top.	Orchard Grass.	Timothy.
Meadow Foxtail.	Hard Fescue.	Red Clover.
Tall Meadow Oat Grass.	Sheep's Fescue.	Alsike Clover.

Price 10 lbs., $1.75; 35 lbs. (about enough for 1 acre) **$5.25; 100 lbs., $14.00.**

No. 2. ADAPTED FOR THE CONDITIONS INDICATED ABOVE.

This mixture is composed of the following grasses and clovers:

Fancy Red Top.	Hard Fescue.	Rough-Stalk Meadow Grass
Tall Meadow Oat Grass.	Sheep's Fescue	
Crested Dog's Tail.	Timothy.	Red Clover.
Orchard Grass.		White Clover.

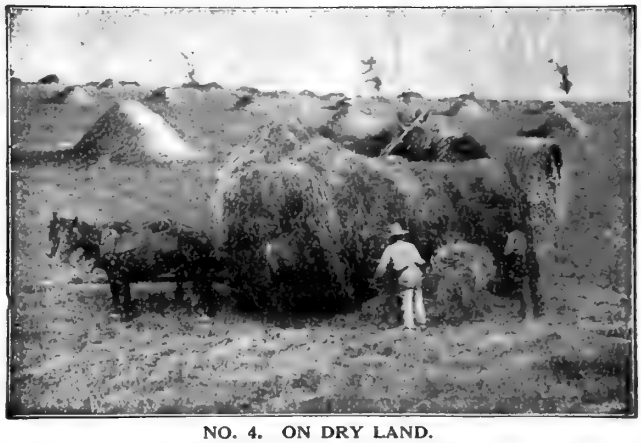
Price 10 lbs., $1.85; 35 lbs. (about enough for 1 acre), **$6.00; 100 lbs., $16.50.**

No. 3. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.

This mixture contains suitable proportions of the grasses noted below to insure a satisfactory plant.

Tall Meadow Oat Grass.	Sheep's Fescue.	Kentucky Blue Grass.
Red Top.	Hard Fescue	Timothy.
Orchard Grass.	Perennial Rye Grass.	Red Clover.
	Meadow Foxtail.	White Clover.

Price 10 lbs., $1.75; 35 lbs. (about enough for 1 acre), **$5.25; 100 lbs., $14.00.**



NO. 4. ON DRY LAND.

We have experimented for several years and our experience indicates that the undermentioned grasses thrive the best on dry soils.

Creeping Bent Grass.	Orchard Grass.	Hard Fescue.
Tall Meadow Oat Grass.	Red Clover.	Sheep's Fescue.
Kentucky Blue Grass.	White Clover.	Timothy.
		Perennial Rye Grass.

Price 10 lbs., $1.85; 35 lbs., $6.00; 100 lbs., $14.00.

No. 5. ON WET LAND.

Our tests show that the grasses contained in this mixture have given satisfactory results on heavy soils.

Orchard Grass.	Kentucky Blue Grass.	Timothy.
Fancy Red Top.	Alsike Clover.	Rough-Stalk Meadow Grass.
Meadow Fescue.	White Clover.	
Perennial Rye Grass.	Meadow Foxtail.	

Price 10 lbs., $1.75; 35 lbs., $5.25; 100 lbs., $14.00.

TREE, SMALL FRUIT AND TOBACCO SEED

TREE SEEDS. Evergreen seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, pear and locust should be mixed with sand in boxes and exposed to frost; where this cannot be done, soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 feet apart.

One-pound lots and less include postage; large lots at buyer's expense.

	Pkt.	Oz.	¼ lb.	Lb.
Apple, 10 lbs., $5.50	**$0.05**	**$0.10**	**$0.20**	**$0.60**
Arbor Vitae, American	**.10**	**.25**	**.85**	**3.25**
Birch, White	**.10**	**.15**	**.40**	**1.25**
Box Elder (10 lbs., $4.00)	**.05**	**.10**	**.15**	**.40**
Catalpa Speciosa	**.10**	**.30**	**.75**	**2.50**
Locust, Honey (5 lbs., $1.75)	**.05**	**.10**	**.15**	**.50**
Locust, Black or Yellow	**.05**	**.10**	**.15**	**.50**
Maple, Oregon Mammoth	**.05**	**.10**	**.35**	**1.25**
Mulberry, Russian	**.10**	**.20**	**.60**	**2.00**
Osage, Orange	**.05**	**.15**	**.20**	**.75**
Pear, French	**.10**	**.20**	**.60**	**2.00**
Pine, Scotch	**.10**	**.20**	**.45**	**1.25**
Spruce, Norway	**.05**	**.15**	**.35**	**1.25**

SMALL FRUIT SEEDS. **These germinate slowly. Sow them early.**

RASPBERRY SEED. Large fruited sorts, mixed. Pkt., **10c;** oz., **20c.**
CURRANT SEED, RED. Pkt., **10c;** oz., **20c.**
CURRANT SEED, WHITE, RED OR BLACK. Pkt. **10c;** oz., **20c.**
GOOSEBERRY SEED. Pkt., **10c;** oz., **30c.**

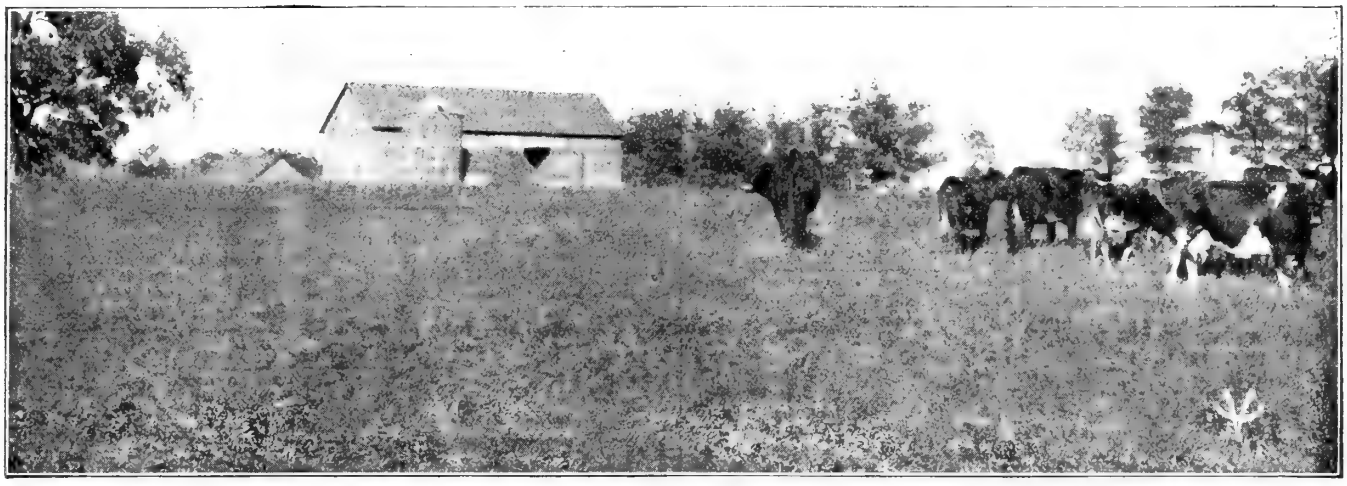
STRAWBERRY SEED.

BELLE DE MEAUX. Pkt., **15c;** 2 for **25c.**
BUSH ALPINE. Bushy globular form upright leaves. Can be used for border, fruits perfectly true from seed. We have both red and white. Plants have no runners. Sown early, they will bear the next year.
Red or White. Pkt., **10c;** 1 pkt. of each, **15c.**
EVERBEARING "LA PERLE." Very large. Pkt., **20c;** 3 for **50c.**
HYBRID MIXED. From many best kinds. Pkt., **15c;** 2 for **25c.**
May produce valuable novelties.

TOBACCO SEED

COMSTOCK'S SPANISH. Wisconsin Favorite. Pkt., **10c;** oz., **30c;** ¼ lb., **$1.00;** lb., **$3.50.**
PRIMUS. Yields big crops of extra fine quality. Pkt., **10c;** oz., **25c;** ¼ lb., **65c;** lb., **$2.50.**
HARBY. Turkish; stands heat, drought. Pkt., **10c;** oz., **30c;** ¼ lb., **90c;** lb., **$3.00.**
BRAZILIAN-AMERICAN. Finest Brazilian strain. Pkt., **10c;** oz., **30c;** ¼ lb., **90c;** lb., **$3.25.**
BIG HAVANA. A hybrid Havana or Cuban seed leaf. Pkt., **10c;** oz., **25c;** ¼ lb., **65c;** lb., **$2.50.**
GENERAL GRANT. Leaves 44 inches long, matures crop early. Ideal for cigars. Pkt., **10c;** oz., **30c;** ¼ lb., **$1.00;** lb., **$3.50.**
CONNECTICUT SEED LEAF. Best adapted to climate of the Middle and Northern States, ha dy. Pkt., **10c;** oz., **25c;** ¼ lb., **65c;** lb., **$2.50.**
BIG ORONOKO. Has no equal for strips and dark wrappers. Pkt., **10c;** oz., **25c;** ¼ lb., **65c;** b., **$2.50.**

ALFALFA—"THE MOST PROFITABLE FARM CROP"



ALFALFA ON A DAIRY FARM IN NORTHERN ILLINOIS

ALFALFA OR LUCERNE

The value of alfalfa on any farm is so generally recognized that it seems almost unnecessary to elaborate. Its strong points, permanency, heavy yields during dry seasons, feeding value especially for Dairy Cattle, have been emphasized so much by all agricultural authorities that up-to-date farmers are fully alive to its advantages.

In growing alfalfa in the middle West and Eastern States much difficulty was first experienced in the obtaining of a stand. From experiences of many we gather the following important points.

1. **Well Prepared Land.** The soil should be deeply plowed and constantly cultivated before planting so that the field will be as free from weeds as possible. The more like an "Onion Bed" the better chances for a stand. The seed bed should be made as compact as possible before sowing, and the seed should be drilled if possible or lightly covered by harrowing.

2. **Lime and Inoculation.** On nearly all soils an application of two to five tons per acre of ground limestone is a great aid to alfalfa. A field, when planting to alfalfa for the first time, should be inoculated with soil from an old alfalfa field, or from the roots of Sweet Clover one half wagon load to the acre, or by a culture like Nitragin, which we offer on page 142. Prof. Hopkins of the University of Illinois is strongly in favor of soil inoculation.

3. **Use Northern Grown Acclimated Seed.**

4. **Season.** June first to middle of July, but successful sowings may also be made in April, May and June.

NORTHERN ALFALFA SEED (Dakota Grown)

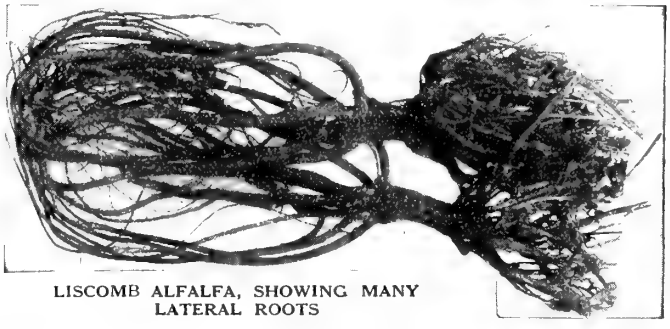
Grown in the dry land section of South Dakota, this seed is the very hardiest type of the regular Alfalfa (Medieago Sativa) and South of Central Wisconsin and Michigan gives the very best results. On account of its extra hardiness is well worth the slight advance over Nebraska or Kansas seed. An extra choice sample free from noxious weeds and of high germination. Write for sample. **Lb., 25c; 10 lbs., $2.00; 100 lbs., $18.50; grain bags holding about 150 lbs., 22c each extra.**

The "Grimm" or Everlasting Alfalfa has obtained a reputation for productiveness and hardiness all through the Northwest, the seed is identical with other types of alfalfa. The best quality of Grimm seed is obtained by us from a South Dakota grower. Our customers for alfalfa in the North who wish to make a beginning will make no mistake in using this—order early as the true stock is limited. **Lb., 50c; 10 lbs.. $4.50; bu., $24.00; 100 lbs., $35.00.**

NEW HARDY ALFALFA, LISCOMB (Variegated Flower)

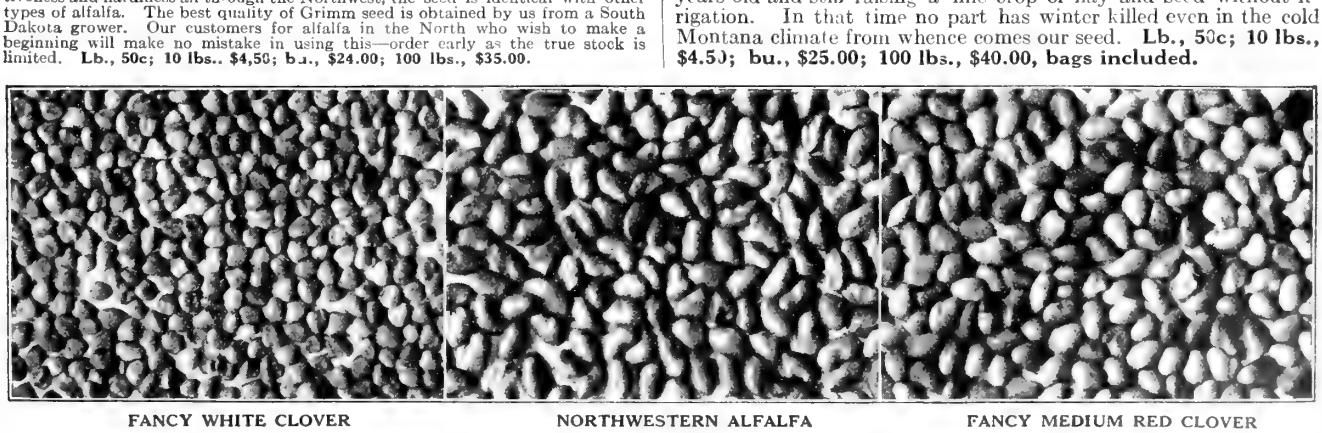
Liscomb Alfalfa is the result of a crossing and recrossing of the extra hardy yellow flower alfalfa with the ordinary alfalfa, which has culminated in the production of a variety which for hardiness and as a drought resister cannot be equalled.

This variety has variegated blossoms and differs from the ordinary alfalfa by possessing a receding crown (at times 3 to 5 inches below the surface of the soil) and a branched root system in place of a single tap root. The numerous lateral roots are a decided acquisition as it gives the plant the ability to thrive under severe conditions



LISCOMB ALFALFA, SHOWING MANY LATERAL ROOTS

such as drought and heaving of soil from frost. A single tap root is easily broken but if several of the roots of the Liscomb are broken little damage is done the plant. The strain came originally from Germany and the parent field from which our seed has come is now 35 years old and still raising a fine crop of hay and seed without irrigation. In that time no part has winter killed even in the cold Montana climate from whence comes our seed. **Lb., 50c; 10 lbs., $4.50; bu., $25.00; 100 lbs., $40.00, bags included.**



FANCY WHITE CLOVER | NORTHWESTERN ALFALFA | FANCY MEDIUM RED CLOVER

How some of Vaughan's Fancy Samples of Clover look under a microscope.

CLOVERS AND OTHER LEGUMINOUS CROPS

FANCY MEDIUM RED CLOVER

Clover seed this year is very high and good qualities are scarce. Sow the cleanest, highest germination seed you can find. If unable to determine yourself what is good, send samples of what you are offered to your State Experiment Station, or the United States Department of Agriculture, Seed Laboratory, at Washington, for analysis. Our seed is the purest and highest high testing seed we can buy and we are at all times willing to submit samples from identical lots of seed. Sow 8 to 10 pounds to the acre. **1 lb., 25c; 10 lbs., $2.25; bu., $12.00; 100 lbs., $19.50. Choice grades for less money. Write for samples.**

BOKHARA OR SWEET CLOVER—White Blossom

Sweet Clover can no longer be regarded as a weed. It has its place as a valuable farm crop along with Red Clover and Alfalfa. On worn out or poor soils all over the country, and on good farm lands in the dry sections of states like Nebraska and South Dakota, no other soil renovating plant can produce equally good results. It is the most adaptable of all legumes or nitrogen gatherers, growing on nearly all soils and withstanding the summer heat of the soil and the cold of the northern winters. Cattle and sheep and hogs soon acquire a taste for sweet clover and as a feed it ranks in value close to Alfalfa. It has the same bacteria on its root nodules as Alfalfa and innoculates and prepares a field for that crop. Cut early, before getting too large, it makes good hay. Being a biennial it fits in with any crop rotation. Sow spring or fall. We offer hulled seed of tested germination. Sweet Clover runs a certain per cent of hard seeds. **Hulled seed: Lb., 35c; 10 lbs., $3.00; 100 lbs., $27.00.**

WHITE CLOVER

This variety is extremely valuable for Permanent Grass mixtures or those prepared for grazing land. It will stand more grazing than any other Clover. As the growth is short it has no value in a hay crop. Much used in lawns. Crop short. Sow in spring, 3 to 4 lbs. per acre.

Extra Fancy Seed: Lb., 50c; 10 lbs., $4.75; bu. (60 lbs.), $27.50; 100 lbs., $45.00.

Choice Seed, clean but not as bright as the above: **Lb., 45c; 10 lbs., $4.25; bu. (60 lbs.), $24.50; 100 lbs., $40.00.**

CRIMSON CLOVER

Erect growing annual with long narrow and pointed flower heads. Grown extensively in the East and South for turning under to improve the soil.

Produces a hay crop of excellent feeding value but requires to be cut in full bloom to obtain the full value of the nutriment. We cannot recommend it for the Northern latitudes as it is likely to winter kill. Sow in August or Sept., 15 lbs. per acre. **Lb., 20c; 10 lbs., $1.60; bu. (60 lbs.), $9.00; 100 lbs., $14.00.**

CANADA FIELD PEAS

A valuable crop in the northern states for soiling and for cattle feed. Sown with oats all stock eat the hay greedily and thrive upon it. With the present season's high prices for oats, farmers will find it very profitable to sow these peas along with oats for feed. Sow broadcast, 2 bushels per acre—if sown with oats, use a bushel with 1½ bu. oats. Present price, market fluctuates: **Bu., $3.00; 2 bu., $5.75; 10 bu., $27.50, bags included.**

Vaughan's High Grade Seeds are noted for their quality. Our seed testing department is up to date. We know what we are selling. All our seeds are submitted for analysis under the personal supervision of our botanist.

A Field of Cow Peas—plowed under, a great soil enricher or cut, makes fine hay

MAMMOTH RED CLOVER

Should be included in all permanent grass mixtures, especially on heavy and medium soils. Flowers later than Medium Red Clover, is hardier and not so liable to winter kill. It produces an abundance of Clover hay of the very best quality and always secures the best market prices.

Sow in the spring 8 to 10 lbs. seed per acre. **Fancy Seed, lb., 25c; 10 lbs., $2.25; bu. (about 60 lbs.), $12.25; 100 lbs., $20.00.**

ALSIKE OR HYBRID CLOVER

Thrives well on damp soils or in situations where it is impossible to secure a catch of Red Clover. Because the seed goes so much further than Medium Red and because of its comparatively reasonable price this year, many farmers are giving Alsike the preference. Sow 5 to 6 lbs. per acre in spring. **Vaughan's (V) Brand, lb., 25c; 10 lbs., $2.25; bu. (60 lbs.), $12.25; 100 lbs., $20.00.**

NITRAGIN—Pure Culture

THE IMPROVED GERMAN SOIL INOCULATOR NOBBE-HILTNER PROCESS
NITRAGIN
PURE CULTURE
THE SIMPLEST SAFEST AND SUREST SYSTEM OF SOIL INOCULATION FOR ALL LEGUMES
AWARDED GOLD MEDAL, ST. LOUIS, 1904

A legume-inoculating material manufactured by the Armour Fertilizer Works, under a late German (Nobbe-Hiltner) Process. We believe this the best of the many Nitrogen Bacteria Cultures. Nitragin Pure Culture is sold by the acre, and is put up in round tin cans, in three sizes—garden, one acre, and five acre. Full directions for use with each can. We can offer cultures of all the different legumes, including Alfalfa, Clovers, Cow Peas, Soya Beans, Vetches, etc., etc. **Price: Garden size can, $1.00; acre size can, $2.00; 5-acre size can, $9.00.**

WINTER VETCH, Vicia Villosa

The Winter Cover Crop. Also called Sand or Hairy Vetch. This is a hardy legume sown in the Northern States in the fall months; growing well that season, and remaining green all winter. It supplies a place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil during the winter, and at the same time being a nitrogen gatherer enriches the soil. Vetch furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For hay use 1 bu. **Price: lb., 20c; bu. (60 lbs.), $10.00; 100 lbs., $15.00. Write for latest prices in fall. We are headquarters on the seed.**

Winter Vetch

SPRING VETCH or TARES (Vicia Sativa—Oregon Vetch) Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas. **Per qt., 25c; pk., $1.40; bu., $5.00. Grain Bags, 22c each extra.**

SOJA OR SOY BEANS

This valuable legume is attracting more attention each year. Soja Beans is an ideal crop for turning under to improve worn out soils. As a fodder crop it should be fed in conjunction with corn in proportion of one part Beans to five of Corn so as to reduce the excess of protein in the former. It should be cut for hay before the stems become too woody otherwise the nutritive value of the feed will be endangered. For latitudes north of Chicago we would advise using Northern grown seed. Seed should be sown in June at the rate of ½ bushel per acre and in drills 30 inches apart.

NORTHERN GROWN Ito San and Black Beauty Scarce another year. Write for latest prices. **Each variety, pk., 90c; bu., $3.25. Write for prices on other varieties.**

SOUTHERN GROWN SOY BEANS Mammoth Yellow ½ pk., 50c; pk., 80c; bu., $2.75.

COW PEAS—Great Soil Improver The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay. For those in the North who have not had the best success with this plant, a warm sandy soil will give decided advantage. Where never grown before, drilling in and cultivating at first, as for field beans, is the best way to start.

NORTHERN GROWN COW PEA Michigan Favorite A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin. **Pk., $1.00; bu., $3.50.**

SOUTHERN BLACK EYE Pk., 90; bu., $3.25.
WHIP-POOR-WILL Pk., 80c; bu., $3.00.
NEW ERA Pk., 90c; bu., $3.25.

All Cow Peas, **25c per quart of about 2 lbs.**
Write for latest market price on quantity of any of the above.

Vaughan's Farm Seed Department

Our list of grains, field and grass seeds, soiling plants and the like will be found to be made up of three standard varieties and such new things as have been thoroughly tried and proven. "Miracle grains and Million Dollar" grasses are not to be found in our catalog, at least not under those names. Due to the location of our two stores we are in constant touch with the leading markets and conditions, our favorable freight rates, either in carlots or less, and the best shipping service in the United States, we are in a position to serve our customers as is no other house.

Free Samples on Request.—Most of our seeds are grown especially for us. All of our seeds are excellent samples, carefully recleaned and were grown under our direct supervision from thoroughly reliable sources.

Prices—The market on this class of seeds is changing constantly and prices given below represent values at the date this catalog went to press. They are made subject to market changes. When purchasing in quantity, write or wire us for our latest prices.

Quality considered, we can meet any competition.

SEED BARLEY—Select, Recleaned

ODERBRUCKER BARLEY (Wisconsin No. 55) A heavy yielding and plump six-rowed variety. Introduced in 1906 by the Wisconsin Agricultural Experiment Station. Particular attention has been given in recent years to the breeding of this grain. A large percentage of the Barley acreage in Wisconsin is now of this grain. Compared to Manshury, Oderbrucker has a stiffer straw, higher protein content and being a more vigorous grower is a better rust resister, average yield of five to ten bushels more per acre than other six row sorts were reported on a series of tests. High protein content makes Oderbrucker of exceptional value for both feeding and malting. Ours is an excellent sample Wisconsin grown, produced from seed secured from the Wisconsin Agricultural Experiment Station.

Price peck 50c, bu $1.65, 10 bu $14.00, bags included.

WISCONSIN PEDIGREE BARLEY (No. 5)

This Barley has won many State and National Championships as the best 6 rowed variety. Prof. Moore of the Wisconsin Experiment Station developed this from the famous Oderbrucker strain after many years breeding and testing. By many trials throughout the middle western states Wisconsin Pedigree has proved a greater yielder than all others. It is tall, growing with plump grain, very stiff straw and large well filled heads. Selected on account of yield and also for malting and feeding qualities.

Price, peck 50c, bu $1.65, 10 bu $14.00, bags included.

MANSHURY BARLEY This is a standard six-rowed Barley and is generally recognized as the most reliable yielding sort under all conditions. It is an early sort with good stiff straw, bearing long plump heads. The grain is large and has no superior for malting

Price, peck 50c, bu $1.60, 10 bu $14.00, bags included.

SUCCESS OR BEARDLESS This is earliest and hardiest of all barleys. May be sown as early as possible in the Spring without danger from frost. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats and is in stock feeding of much more value than common barley as it may be fed without danger of injury to the animals. Yields as well as bearded varieties.

Price, peck 50c, bu $1.65, 10 bu $14.00, bags included.

WHITE HULLESS This variety is strictly a feeding sort. It has a grain like that of wheat. In feeding value it is almost equal to wheat and the yield is nearly twice as large. As a dry feed it has no superior. The straw is heavy with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This variety never runs entirely true to type.

Price, peck 55c, bu $1.75, 10 bu $16.00, bags included.

We wish to thank you for your careful attention to our order and to say that the Buckwheat and clover are both the nicest lot of seed we have ever seen, and several of our friends have remarked the same. SUMNER FRUIT CO., Worcester, Mass.

SWEDISH SELECT OATS

IMPORTED SEED OATS FROM SWEDEN

These Two Kinds Are Actually Imported Seeds

For twenty-five years the Swedish Society for the improvement of seeds at Svalof, Sweden, with government aid, has been working on the improvement of their seed grains. Some truly wonderful results have been accomplished and the methods employed at Svalof are recognized and approved by the highest plant breeding authorities. We have made several trials of these Oats and last year made large direct importations. Write for samples of these. They weigh over 40 lbs. to bushel, are clean and will grow.

We offer on another page the Victory seed grown in the U. S. from seed originally imported.

SEED OATS

Note, the Oat prices quoted here include burlap bags; if wanted in grain bags, add 22c for each 2½ bushel order

Write for Our Fancy Samples Free

VAUGHAN'S "NORTHWEST SWEDISH" EARLY

Northwest Grown Seed

Introduced a few years ago by the U. S. Department of Agriculture and today the most largely planted of all varieties in the Northern Central States. Briefly described the Oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils, Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land.

Price, peck 40c, bu $1.35, 10 bu. $12.50, bags free.

VICTORY OATS In our trials this gave us best results and matured earliest. The grain is of medium size, white, broad and nearly beardless. The straw is very stiff, firm and nearly white when ripening. In Sweden this variety is recommended on clayey and humid soils, but our experience with heavy imported oats is that the lighter soils are neceessary the first year to prevent lodging.
Price, lb. 25c, peck 65c, bu $2.15, 10 bu $20.00.

HVITLING OATS The Swedish Society for Seed Improvement recommends this sort for light or early soils, the grain is larger than Victory, very broad, plump, thin hulled and pearly white, straw medium height and strong, medium early in season, abroad much preferred in the manufacture of oatmeal on account of this grain.
Price, lb, 25c, peck 65c, bu $2.15, 2 bu at $2.10, 10 bu $20.00.

Vaughan's Pedigree Seed Corns will be found on listed on pages 146, 147 and 148. A suitable variety for every Corn planter no matter where located. Our corn is grown by experts in those sections best suited for the different varieties.

VICTORY OATS

Oats, Amber Cane, Bird Seed

Burlap bags included in price; grain bags, 22c each

VICTORY OATS

The best oat for Illinois, Wisconsin, Michigan, and like locations. Ours is choice good weight, American grown seed, two years from the original Swedish seed. We mail sample of this and all our field and grass seeds free. **Price, Peck, 40c; bu., $1.40; 2½ bu., $3.25; 10 bu., $12.50. Burlap bags free.**

KHERSON OR SIXTY DAY OATS

The most popular new Oat for rich prairie soils. A very early variety and produces large yields. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow in color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color which injures its value to some extent for market purposes.

Price, peck, 40c; bu., $1.35; 10 bu. lots, $1.25 per bu. Burlap bags free.

AMERICAN BANNER OATS

We offer a splendid stock of this favorite northern variety. This variety is extremely early, productive and uniform in ripening. The straw is long, the grain, thick white, and the hull is thin. Our stock is entirely free from rust or smut. Sample weighs over 40 lbs. per bushel. **Price, peck, 40c; bu., $1.35; 2½ bu., $3.25; 10 bu., $12.50. Burlap bags free.**

BLACK TARTARIAN

The darkest of the black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is, black heavy and of high feeding value. We offer clean, heavy Canadian Grown Seed.

Price, peck 45c, bu $1.50, 3 bu in grain bags $4.25, bags included.

AUSTRALIAN SALT BUSH

A forage plant for arid or alkali lands. The plant after three seasons neutralizes the soil so other plants will grow. One pound to the acre. Sow in garden bed, and transplant 7 feet apart.

Price, 1 oz. 15c; ¼ lb. 40c; lb. $1.20; postpaid.

BROOM CORN

Illinois Grown Far superior to South-Western

IMPROVED EVERGREEN The most popular variety in the Western broom corn growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre.

Price, lb. 15c; 5 lbs. 40c; 10 lbs. 75c; 50 lbs. $3.00; 100 lbs. $5.50.

OKLAHOMA DWARF An extra early sort. Height 5 ft.

Price, 10 lbs. 75c; 50 lbs. $3.50; 100 lbs. $6.50.

BIRD SEED

Vaughan's Re-cleaned of Highest Quality

We have facilities for supplying **Fancy Clean Bird Seeds** and Bird Foods; the best only, recleaned and dust blown out. The highest grade seed only, of every kind, is used in Vaughan's Mixture.

VAUGHAN'S MIXED CANARY SEED. Lb 15c, 5 lbs 60c, 10 lbs $1.00.

BLUE MAW (Poppy). Per lb 25c, 5 lbs $1.10.

CANARY SEED. Per lb 15c, 5 lbs 65c, 10 lbs $1.10.
CUTTLEFISH BONE. Per lb 45c.
HEMP. Per lb 10c, 5 lbs 40c, 10 lbs 75c.
LETTUCE FOR BIRDS. Per ¼ lb 10c, lb 25c, 5 lbs $1.00.
MILLET, FANCY RECLEANED. Per lb 6c, 10 lbs 50c.
MOCKING BIRD FOOD. Per lb tin 35c.
BIRD RAPE. (Not Dwarf Essex). Per lb 12c, 5 lbs 60c, 10 lbs $1.00.
SUNFLOWER SEED, extra clean for birds. Lb 15c, 5 lbs 65c, 10 lbs $1.00.

Located at Chicago, the great Central Market for Grass Seed, we are able to select the choicest grades of fancy, recleaned seed of high vitality and at the best market values.

BUCKWHEAT

Market price changes. Write for quantity prices.

Sow after June 15. On worn-out soils, a plowed under buckwheat crop is a good soil fertilizer and improver. Sow 25 lbs. per acre.

JAPANESE Very large grains of dark brown color. Early and heavy yielding. Choice re-cleaned seed.

Price, peck 50c; bu., $1.60; 3 bu., $4.50, bags included.

SILVER HULL A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flour it produces. Choice seed.

Price, peck 50c; bu., $1.60; 3 bu., $4.50, bags included.

CHUFAS, or EARTH ALMONDS

Used to fatten hogs. Nuts grow under ground very near surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, in rows 3 ft. apart, and 8 to 10 inches apart in row. If seed is dry, soak before planting. Sow 15 lbs. of seed per acre.

Pkt. 10c; lb. 15c; 10 lbs. $1.25; 100 lbs. $10.00.

FLAX SEED

Primost Variety, fancy re-cleaned Dakota seed. **Price, peck, 75c; bu., $2.75; bags free.**

CANE, EARLY AMBER

Our customers are constantly increasing their sowings of this cheap and exceedingly useful summer fodder for all stock and especially milch cows. Every farmer, small or large, should make sowings of it.

Sugar cane is the best food that can be grown for feeding cows, horses and young stock during the dry part of summer. Southern seed for fodder. **Lb. 8c; 10 lbs. 40c; 100 lbs. $2.50;** Northern grown, **lb. 10c; 10 lbs. 60c; 100 lbs. $4.00.**

JERUSALEM ARTICHOKES. One of the best hog foods for early spring, roots perfectly hardy, multiply rapidly, tubers sold by many grocery stores. Every amateur should plant some including our new imported French Rose Colored, the smoothest, most attractive and best selling—see page 56.

Artichokes, Rose Colored Novelty. Price, lb. 30c; 5 lbs. $1.00; peck, 75c; bu. $2.50; bbl. (2¾ bu.) $6.50.

VAUGHAN'S FARM SEED DEPARTMENT—Continued

MILLETS Fancy Recleaned

Write us for market prices and samples on large lots. The market varies continually. Prices include bags.

These prices are at Chicago, most Millet seed being grown in the west. If ordered from our New York store, add one-half cent per pound to these prices. We ship our field seeds in carloads, securing lowest cost and freight rates.

German Millet

GERMAN OR GOLDEN Planted on good land produces a large crop of hay forage during the summer months and leaves the ground in the finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bu., 50 lbs.) Sow ½ bushel to the acre. Values constantly changing. Write for prices for quantities.
German, Western Grown, bu. $1.90, 100 lbs $3.50, bags included.
German, Tennessee Grown, Extra Fancy, bu .$2.40, 100 lbs $4.75.

JAPANESE MILLET Entirely distinct. It grows 6 ft., yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of Clover. It may be sown from the middle of May to the 1st of July, broadcast; at the rate of 15 lbs., per acre; but it is better to sow in rows 12 to 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds.
Price, lb. 15c; 10 lbs. 75c; 50 lbs. $3.25, 100 lbs. $6.00.

DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months, and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the Rape grows rapidly. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre. This seed is of our own direct importation this year, Dutch Stock prohibited through War.
Price, Pkt. 10c; ¼ lb. 12c; 1 lb. 20c; 10 lbs. $1.30; 25 lbs. $2.75; 50 lbs. $4.75; 100 lbs. $9.00; bags included.

HUNGARIAN GRASS Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bu. 48 lbs.) Sow ½ bushel to the acre. Subject to market changes. Write for latest prices.
Bu $1.50, 100 lbs $2.85, bags included.

PEARL OR CAT-TAIL MILLET No other plant makes so much forage. Three successive cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 feet high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre.
Price, ¼ lb., 8c; lb., 15c; 10 lbs., 88c; 100 lbs., $7.00. Bags free.

Dwarf Essex Rape

WHEATS—Spring

FANCY NORTHERN SEED. Subject to market fluctuations. 2 bu grain bags 22c each. Write for latest QUANTITY Prices.

MARQUIS SPRING WHEAT

In the northwest spring wheat district Marquis Wheat is now regarded as the finest of all varieties. Introduced by Prof. Saunders of Ottawa, Canada, the result of a cross between Red Fife and acclimated Hard Red Calcutta wheat. It is earlier than Red Fife and has out yielded all other spring wheats wherever grown. In milling quality and appearance it is in a class by itself. Marquis Wheat grades number one almost every minute. It has won the first prize for the best American wheat at all the International Shows the past three years. True stock, fancy Canadian grown. Wheat price changeable.
Price, peck, 70c; bu. $2.50; 2 bu. $4.75; 5 bu. $11.75,

SPRING EMMER

Incorrectly called "SPELTZ"

A grain especially suited for dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high.
Lb. 10c, 3 lbs. 25c, bu. 40 lbs. $1.00; 5 bu. $4.50, bags included.

SPRING RYE A good catch crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye.
Price, peck 50c; bu. $1.75, bags included.

"You have always filled my orders so satisfactorily that it is a pleasure to do business with you."
ROBT. F. BROWN, Hope, N. Dakota.

SASKATCHEWAN FIFE A very hardy and productive red variety. Makes the famous Northwest No. 1 milling wheat.
Price, Peck, 60c; bu. $2.00. Write for latest.

BLUE STEM PEDIGREED A heavy yielding variety, very popular in the Northwest. Heads are very large and well filled. Plants stool freely. Our seed is carefully selected.
Price, Peck, 60c; bu. $2.00. Write for latest.

MACARONI OR DURUM We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agri. Best for dry districts.
Price, Peck 60c; bu. $2.00. Write for latest.

PEANUTS

SPANISH The earliest variety grown; pods are small, but remarkably solid and well filled. Interesting for children. Sow in drills 3 feet apart, placing the nuts 8 to 10 inches apart to allow for the bushy habit of the plants.
Pkt. 10c; ¼ lb. 12c; lb. 20c; 5 lbs. 75c; 10 lbs. $1.25.

MAMMOTH VIRGINIA The most profitable variety to grow as a market crop, though not so early as Spanish; more easily cultivated; very erect stems and upright foliage with large pods and kernels. Sow in drills 4 feet apart, placing the nuts 6 inches apart.
Pkt. 10c; lb. 20c; 5 lbs. 75c; 10 lbs. $1.25.

JUMBO OR NEW ORLEANS SPECIAL This is the giant of the lower Mississippi Valley; surprises everybody. **Pkt. 10c; ½ lb. 20c.**

SUDAN GRASS A new forage plant closely related to the cultivated sorghums; of value particularly in the dry Middle West sections as a drought resisting hay crop. In the Eastern and Central Northern sections should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised as with cane and other sorghums in turning cattle on to second growth. Sow in rows and cultivate like Corn. Rows 18 to 24 inches apart require 4 to 6 lbs. per acre.
Price, ¼ lb., 15c; lb., 50c; 5 lbs., $2.00.

SUNFLOWER MAM. RUSSIAN We carry recleaned heavy seed of this standard crop, grown in Illinois by carload.
Price, oz. 5c; lb., 15c; 10 lbs., $1.00; 100 lbs., $8.50.

TEOSINTE A valuable continuous cutting forage plant for Southern and Southwestern states, furnishing a most nutritious food green or dry for horses and cattle. It resembles Indian corn, the leaves being larger and the sap sweeter. Sow in May or June in drills 3½ to 4 feet; 2 to 3 lbs. per acre.
Pkt. 5c; oz. 10c; ¼ lb., 20c; lb., 60c.

Vaughan's Nitrogen Gathering Plants

The planting of Leguminous crops, the air nitrogen gatherers, is the cheapest manner of adding the highest priced and most valuable fertilizer, nitrogen.

NEW VELVET BEAN A very heavy yielding Legume belonging to the Soja and Cow Pea class. The most rampant growing of all these sorts. Very popular in the South—and of value in the North for a cover crop.
Price, 3 oz pkt. 10c; ½ lb., 20c; lb 30c; ½ peck 60c, pk $1.15, bu $4.00, bags included.

GIANT BEGGAR WEED (Florida Forage Plant.) An upright growing Legume. A fine fodder plant which reaches immense size, also good for plowing under light soils. Cut for hay when first blooms appear. Plant 10 lbs. per acre.
Pkt. 10c; ¼ lb., 20c; lb., 65c; 5 lbs., $3.00; 10 lbs $5.00.

VAUGHAN'S NORTHERN SEED POTATOES For 30 years we have made a speciaialty of North Michigan, North Wisconsin and North Dakota seed Potatoes, supplying our own stock seeds and delivering selected Potatoes to Central States, South and South West, with greatest satisfaction. Scabby, rough and small ones are thrown out. Heated Refrigerators, good storage, and experienced handlers make your Potato orders left with us in best hands. See pages 48 and 49.

FENUGREEK Annual. The seed is often sought by ostlers to give a temporary fire and vigor to their horses. Good for soiling.
Price, oz., 10c; ¼ lb., 15c; lb., 30c.

LENTILS A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups. **Lb., 20c; 10 lbs., $1.65.**

LUPINS, YELLOW Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Good forage, green or as hay. Sow after frost; 90 lbs. per acre.
Price, lb., 25c; 10 lbs., $1.50.

SAINFOIN or ESPARSETTE An excellent perennial Fodder Plant growing about 3 feet high, flowering in June and July. It is adapted for light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills.
Price, lb., 20c; 10 lbs., $1.50; 50 lbs., $6.50; 100 lbs., $12.00.

"I consider Vaughan's seeds of high standard for purity and vitality, and have planted them for many years on many soils and under almost every condition."
R. D. KLINE, (Market Gardener), Knox, Ind.

Field of Early Corn on the Vaughan Farm near Homewood, Ill.

VAUGHAN'S

Our Seed Corns, Early and Late Dents

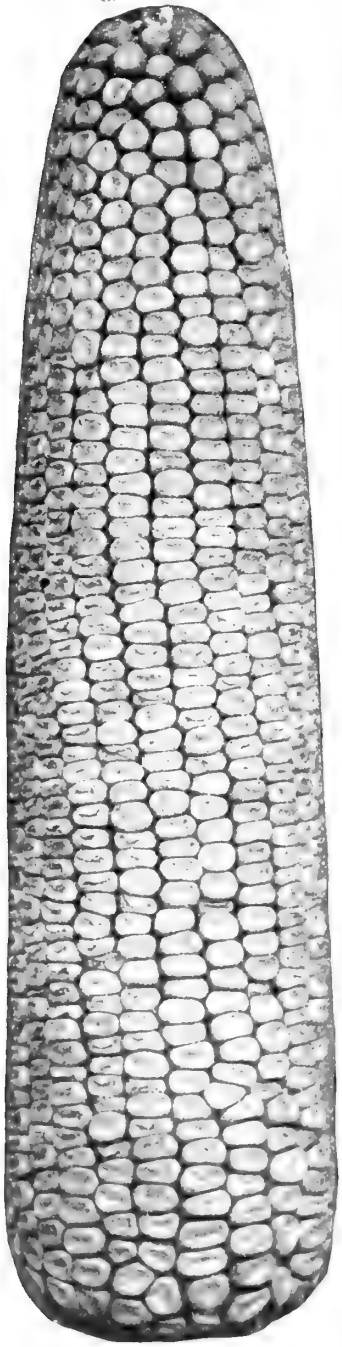
Seed Corn for the whole country cannot be raised in one locality. Our seed corn is grown by the most expert growers in those localities where each variety does its best. Kinds suitable only for short or medium corn growing season are raised for us in Northern Sections. Main crop sorts are grown for us in sections where they reach their full maturity and development. Our growers are recognized leaders in growing their respective varieties. They know all about the latest theories of corn breeding and practice them.

We plainly state where each corn has been grown, for it must be borne in mind seed corn produces best when planted under similar climatic and soil conditions to which it was originally raised. The drought the past season has shortened the seed corn crop materially and seed from fancy, well selected corn is short and high in price. Order seed corn early, so that you may test it for yourself

REID'S YELLOW DENT (Standard Type)

Shelled and on ear. The great prize-winning Show Corn. Brought to Illinois in 1846 from Ohio. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is more accurately described as follows: Ear 9 to 10 inches long, 7 inches around, 18 to 24 rows with narrow space between rows; deep grains with small cob, well filled at butt and tip. We offer a very choice selection of seed grown from pedigree seed selections for years. It has won first prizes at Springfield State Fair and National Corn Show. **Price, Shelled, Qt., 15c; ½ peck., 50c; peck., 80c; bu., $3.00; 4 bu., $11.50; 10 bu. lots, $27.50.**

Selected ears, bu. crate, $4.00; three bu. for $11.00.



LEAMING IMPROVED

LEAMING IMPROVED

See illustration. Probably planted over a greater area of country than any other sort on account of its great adaptability. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; kernels smooth and firm on the cob; 18 to 20 rows, with medium space between; well filled and rounded tips and butts; kernels yellow, wedge shaped; cob red, of medium size. Used a great deal for ensilage in New York and New England. Our seed is grown from prize stock in the central corn belt. **Shelled, selected, tipped and butted, price, qt., 15c; peck., 60c; bu., $2.00; 4 bu. lots, $7.50.**

REID'S YELLOW DENT Northern Grown

This is the highest standard Yellow Dent Corn grown in North Central Illinois. The true type of "Reid's" is at home in the Central Illinois Corn Belt, and is unexcelled. We have never dared sell the regular full sized type of "Reid's" north of Kankakee and La Salle counties. This strain of Reid's differs from the standard type only in running slightly smaller and with larger cobs. Can be used in Cook County and westward as the finest, highest grade yellow Corn which can be safely planted this far north. **Shelled, qt., 15c; ½ peck. for 50c; peck., 80c; bu., $3.00.**

IOWA SILVER MINE

One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Creamy white in color, cylindrical shape, tapering only a little at the tip; 18 to 20 rows; length, 9 inches; circumference, 7¼ inches, kernels rough and deep, a little space between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders. Shelled only—however, every ear selected and tipped and butted. **Qt., 15c; peck, 60c; bu., $2.00; 4 bu., $7.50.**

GOLD MINE

A Yellow Dent similar in its general characteristics to the Silver Mine. Average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been as carefully bred as some sorts; however, it has good points. Our seed is carefully selected, grown by a noted breeder specialist on this variety. **Shelled, selected, tipped and butted, qt., 15c; peck., 55c; bu., $2.00; 4 bu., $7.50.**

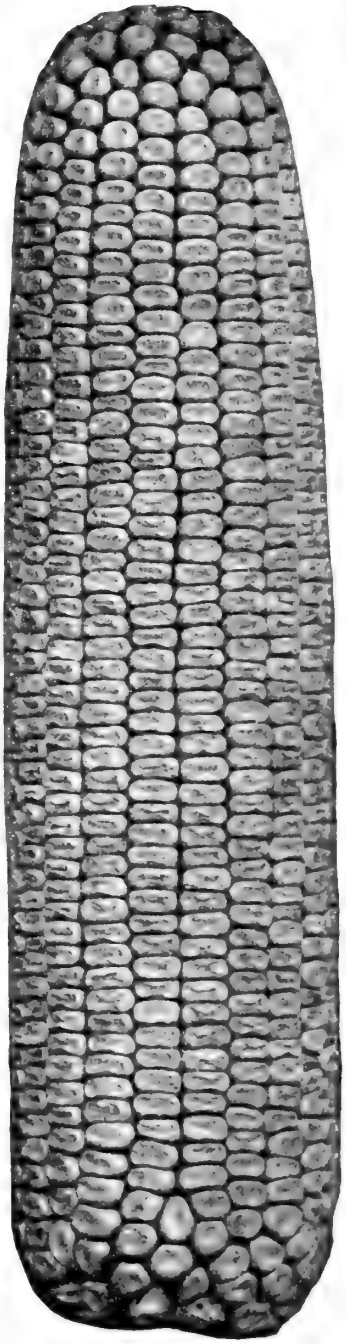
BOONE COUNTY WHITE

The best type of White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. This corn has been bred for large ears and matures rather slowly, requiring about 120 days good corn weather. The ear tapers slightly, length 10 inches, circumference 7½ inches, 16 to 22 rows, medium space between, cob white, medium size. Central Illinois grown. Price selected ears, **bu. crate, $4.00. Shelled, qt., 15c; ½ peck, 45c; peck, 70c; bu., $2.75; 4 bu. lots, $10.50.**

HICKORY KING

Fine for the Southern States. Has been bred for small cobs and large kernels. Northern Missouri Seed. **Shelled, qt., 15c; peck., 55c; bu., $1.75; 4 bu., $6.50.**

If ordered from New York add 20c per bushel to above prices..



REID'S YELLOW DENT

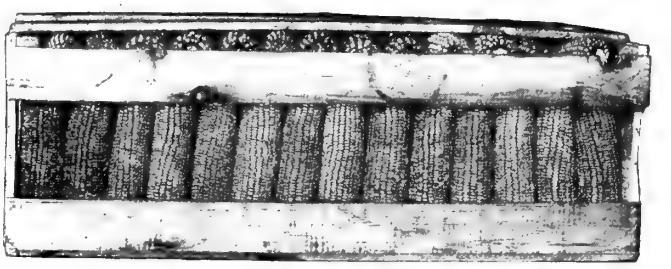
SEED CORN

and Flints, Fit Every Corn Growing Locality

NORTHERN GROWN EARLY SEED CORN

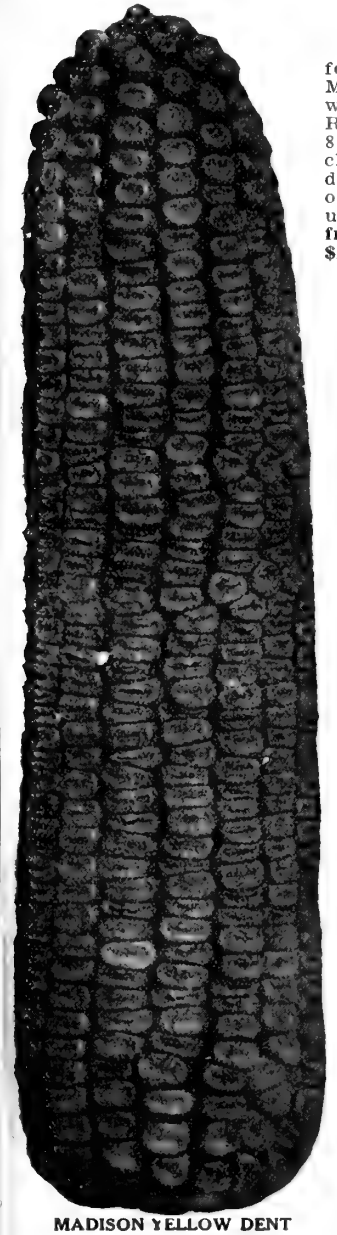
Such varieties of Early Corn as we list on this page are the purest bred Northern Corn sorts to be found. They are grown in North Dakota, Wisconsin, Minnesota, Michigan, Northern Illinois, Northeastern Nebraska and Central Ohio. They begin with the very earliest Flint (Jehu), include all the earliest Dent varieties, and end with the medium season Golden Surprise. For their respective sections they represent the heaviest yielding and purest bred type in existence.

It is now universally recognized that the so-called 90-Day or Early Corn grown in Southern localities requires twenty or more additional days to mature in the North. Farmers plant seed corn grown over fifty miles south of their latitude at a great risk of a soft crop.



A Crate of Vaughan's Selected Ear Corn

The Vaughan Farms in Northern Illinois and Central Michigan are ideally situated for producing those varieties of early corn most suitable for the majority of our customers in the seed corn line, whose farms are located in Northern Illinois, South and Central Wisconsin and Michigan. This year a good sized warehouse equipment for drying our corn has been added to our facilities. We try, without regard to expense, to sell the best bred corn of the highest germination. The corn is field sorted, put in crates and then racked, each ear separately to insure even drying. In drying, artificial heat is used when moisture content demands such treatment.



MADISON YELLOW DENT

MADISON YELLOW DENT

This Corn is, we believe, the best Yellow Dent Corn ever introduced for the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan. It grows to maturity in 100 to 105 days of ordinary Corn weather, and is a wonderful yielder. The ear is a little smaller than Reid's Yellow Dent, but resembles the latter variety otherwise. Ears 8½ inches long, 16 rowed, dark red cob. The kernels are deep, closely set together in even rows, with just space enough to permit drying, a very essential point in Northern Corn. Our Strain is grown on our own farms in Central Michigan and Northern Illinois, and under our direct supervision in the same localities. **Price, shelled from selected ears, ½ pk., 50c; pk., 80c; bu., $3.00; 2 bu. or over at $2.75. Selected ears, bu. crate, $4.00.**

MINNESOTA No. 13 OR WISCONSIN No. 8.

A heavy yielding, extremely Early Yellow Dent Corn. It matures in 90 days of corn weather. Stalks are quite tall and this variety furnishes a large amount of fodder. Grows to a height of 8 ft. on good soil. Ears medium size, 8 inches long, 16 rows, and taper toward the tip. The kernels show a good Dent type and are of fair depth. It is not as well bred as yet as Madison Yellow Dent. It is however, about 10 days earlier. **Minnesota Grown, shelled, from selected ears, ½ pk. for 45c; pk., 75c; bu., $2.75.**

PRIDE OF THE NORTH A standard Early Yellow Dent, and the most planted of all in Northern Illinois and Iowa. We offer Northern Iowa grown seed, which we find evener in type and earlier in season than a great deal of the Southern grown "Pride." The type varies, usually sixteen rows, tapering to the tip. **Our seed** is from selected ears, tipped and butted. **Price, shelled, pk., 60c; bu., $2.00; 2 bu., $3.75. Postpaid, pkt., 10c; pt., 25c; qt., 45c.**

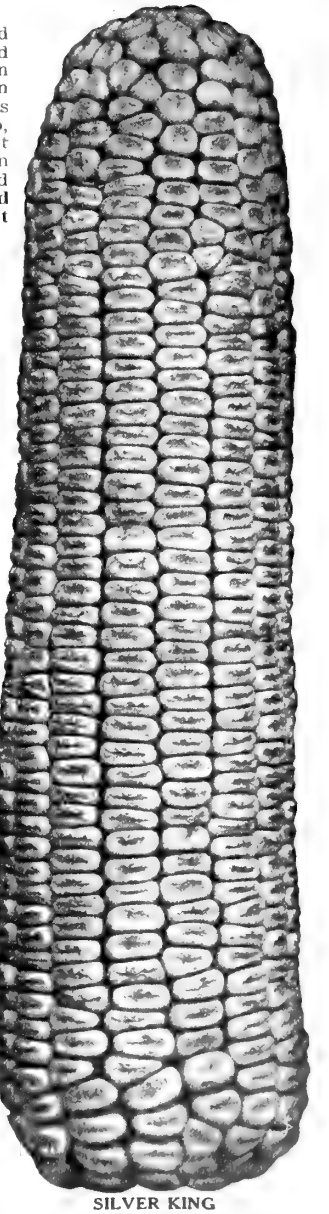
NORTH STAR. This variety which has featured in our catalog for more than 25 years we have occasionally lost our crop of, but good customers of ours in the vicinity of Baraboo, Wisconsin, have maintained a notable purity of selection and we renewed our planting stock last spring. The resulting crop on our own farms this autumn has proven very early, being dry and fit for seed purposes in September. This corn will mature as far north as Madison, Wisconsin. Sixteen rows, deep grain, small red cob, the most valuable Dent Corn suitable for Corn Belt in the latitude of Southern Minnesota and Middle Wisconsin. **Price, Shelled Corn, ½ pk., 45c; pk., 75c; bu., $2.75; selected ears, bu. crate, $4.00.**

SILVER KING or WISCONSIN No. 7 Matures in 100 to 105 days. Introduced the last four years by Prof. Moore of the Wisconsin Experiment Station. Of good cylindrical shape. Ears 8 inches, usually 16-rowed. The kernels are deep set, just thick enough that rapid ripening is not checked. Excellent for Southern and Central Wisconsin. **Northern Illinois, shelled from selected ears, ½ pk., 45c; pk., 75c; bu., $2.75. Postpaid, pkt., 10c; pt., 25c; qt., 40c. On the ear, per bu. crate, $4.00.**

GOLDEN GLOW. WISCONSIN No. 12 A very early corn with a good sized ear. Matures as far north as central Wisconsin and Michigan. A cross between Minnesota No. 13 and North Star. Ear 8 inches in length—symmetrical, slightly tapering. The kernels are of fair depth, slightly rough. Cob not too large, but big enough so early drying is aided. The plant makes a strong growth with plenty of leaf, thus enhancing its value for fodder. **Price, shelled from selected ears, ½ pk., 50c; pk., 80c; bu., $3.00; 2 bu. or over at $2.75. Selected ears, bu. crate, $4.00.**

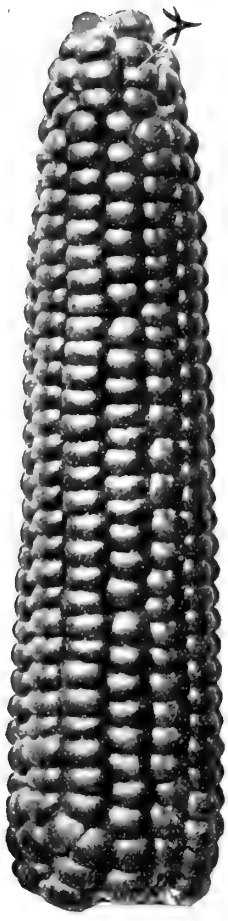
GOLDEN SURPRISE Remarkable for its small cob and high shelling qualities. Central Ohio seed. Recommended for localities south of line drawn from Cleveland to Peoria. **Price, ½ pk., 35c; pk., 60c; bu., $2.00; 2 bu., $3.75.**

DAKOTA SUNSHINE DENT Matures in better than 90 days. Ears 7 inches, quite hard, slightly dented and yellow, tinged with red in color. Good for late planting in central locations, and may be planted closer than later sorts. **Dakota-grown shelled, ½ pk., 45c; pk., 75c; bu., $2.75. If ordered from New York, add 20c per bushel to these corn prices.**



SILVER KING

Field Corns, Flint, Fodder and Pop



BLACK BEAUTY
Pop Corn

EXTRA EARLY FLINT VARIETIES

Add 20c per bu. to these prices if ordered from New York — **Pints quoted are about 16 oz**

LONGFELLOW FLINT A beautiful eight-rowed variety of the Canadian type. The ears are of great length, ten to fifteen inches, and in color a rich glossy yellow. The stalks grow tall, seven to seven and one-half feet, and the ears are borne about three feet from the ground. A favorite with chicken raisers in the middle corn belt.
Price shelled, ½ peck, 35c, peck 60c, bu $2.00; large pkt 10c, pint, 12c, qt. (about 2 lbs.) **20c.**

GIANT LONG FLINT A tawny and smoky white variety, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. The ears are of unusual length, twelve to fifteen inches, smooth and symmetrical. Stalks bear two to three ears.
Price shelled, ½ peck 35c, peck 60c, bu. $2.00; large pkt 10c, pint 12c; qt. (about 2 lbs) **20c.**

KING PHILLIP This is an extra early Red Flint sort. The ears are ten inches long and eight-rowed. On poor land it does much better in yield than most other sorts. **One of the very earliest field corns.**
Price shelled, ½ peck 35c, peck 60c, bu. $2.00; large pkt. 10c, pt. 12c, qt. (about 2 lbs) **20c.**

POP CORN

Selected Ears For Seed

BLACK BEAUTY (New) An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black, this color does not seem to show at all when popped, being then a pearly white. Extremely early, ripening so it may be popped the same as grown, without kiln drying.
Pkt. 10c, lb. 25c, 5 lbs. 60c, 25 lbs. $2.00, 100 lbs. $7.50.

JAPANESE DWARF RICE
Very tender and almost hulless. Ears short and chunky. Heavy yielder. Price same as Black Beauty.
Price of any of the following kinds of Pop Corn, Pkt 5c, lb 12c, 5 lbs 40c, 10 lbs 65c, 25 lbs. $1.40, 100 lbs. $5.00.

ILLINOIS SNOWBALL An improved variety, very prolific; a fine sort for home use.

WHITE RICE Most popular, grain pointed, pops white, and full.

MAPLEDALE PROLIFIC A great yielder. It pops pure white.

QUEEN'S GOLDEN It pops **perfectly white** and a single kernel **will expand** nearly one inch.

WILL'S JEHU Also known as North Dakota Yellow Flint. It is probably the earliest valuable yellow corn we have. The average height is five feet and the ears grow close to the ground. Ears eight inches.
Price shelled, ½ peck 45c, peck 80c, bu. $2.50. Pkt. 10c, pint 15c, qt. (about 2 lbs.) **25c.**

RHODE ISLAND WHITE CAP FLINT This is the White Flint variety used in New England for hominy and hulled corn. For table quality, flavor and sweetness, it is the best variety of Indian Corn. Its ample foliage makes it desirable for ensilage and fodder.
Price shelled, ½ peck 40c, peck 70c, bu. $2.50. Pkt. 10c, pint, 15c, qt. (about 2 lbs.) **25c.**

SMUT NOSE FLINT The great favorite in Michigan. It is a yellow flint blazed with red at each end of ear. The ears are ten inches long and large around, very vigorous in growth, producing a good amount of fodder.
Price shelled, ½ peck 35c, peck 60c, bu. $2.00. Large pkt. 10c, pint 12c, qt. (about 2 lbs.) **20c.**

GOLDEN DEW DROP A handsome bright yellow. Eight rowed flint. Remarkable yielder with few suckers. Ears 9 inches, stalks grow 5½ ft. 90 days to maturity.
Price shelled, ½ peck 35c, peck 60c, bu. $2.00. Large pkt. 10c, pint 12c, qt. (about 2 lbs.) **20c.**

FODDER CORN

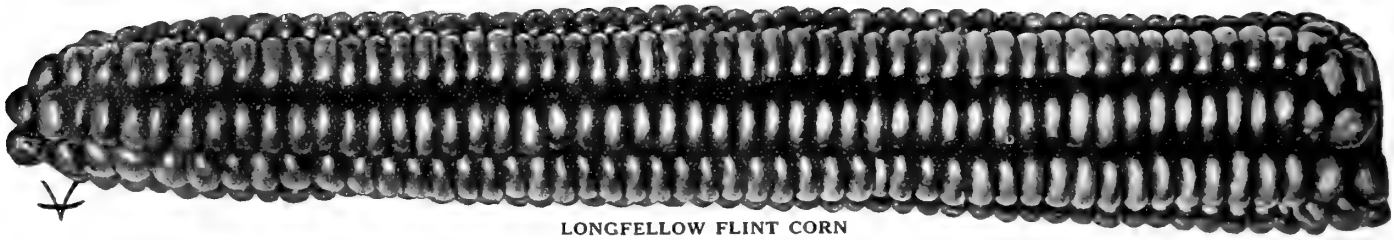
Bags 22c each on bu. lots

The recent vast increase in planting corn for fodder has been mostly due to substitution of this crop when too late for other things. Results have clearly shown that fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder, practices varying in different localities. In Canada and New England a flint variety like Longfellow is most in use; farther south the Early Dents or Leaming, many wanting partly or wholly ripened ears; in the Central belt southern grown ensilage corns; while sweet corn for dairying regions is used.

"RED COB" ENSILAGE or FODDER This selcetion has great reputation. Has a deep red cob, strong leafy stalks and short joints. Adapted to all sections. **Peck 45c, bu, $1.50; 5 bu, $7.00.**

VIRGINIA MAMMOTH WHITE HORSE TOOTH Small stalks, vast quantity foliage, short joints, kernels large and white. **Peck 50c, bu. $1.60, 5 bu. $7.50.**

SWEET FODDER A great dairy feed. Nothing better for summer and fall green feed, or curing for winter, than sweet corn. **Peck 75c, bu. $2.50, 2 bu. $4.75.**



LONGFELLOW FLINT CORN

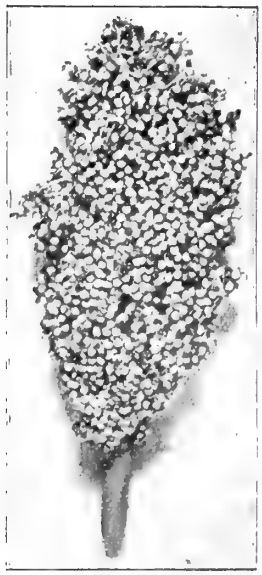
SORGHUMS, KAFFIR, MILO, CANE.

Vaughan's Early Amber Cane Seed

The value of Sugar Cane as a green fodder crop is yearly being better appreciated by the dairy farmer. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre sown to this crop with a little more than $1.00 invested for seed. Sow 60 pounds to the acre.

We offer both northern and southern seed. Northern seed, **pkt. 5c; lb. 10c, 10 lbs, 60c, 50 lbs. $2.50, 100 lbs. $4.40.**

Southern Seed (for fodder) **10 lbs. 40c, 50 lbs. $1.40, 100 lbs. $2.50, bags included.**



FETERITA

FETERITA Earliest of the drought resisting sorghums. A recent introduction. Out-yielded all other sorghums during the past dry summer in Kansas. Worthy of a trial in Northern Sections. **Price, lb. 10c; 5 lbs. 35c; 50 lbs. $2.25, 100 lbs. $4.00, bags included.**

JERUSALEM CORN The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs per acre. **Pkt 5c, lb. 10c, 10 lbs. 70c, 50 lbs. $2.65, 100 lbs. $4.50, bags included.**

KAFFIR CORN One of the very best forage plants. Preferred by some to Cane for stock feeding. Grows four to five feet high. For fodder sow 3 pecks per acre broad-cast. **Pkt. 5c, lb. 10c, 3 lbs. 25c. 10 lbs. 50c, 50 lbs. $1.60, 100 lbs. $3.00, bags included.**

MILO MAIZE Yellow variety of sorghum, non-saccharine, growing stalks 8 to 10 feet high. It bears dry weather and makes its crops where corn would wholly fail. Plant in 3-foot rows and cultivate as corn; 3 to 5 lbs per acre. **1lb. 10c, 3lbs. 20c, 10 lbs. 50c, 50 lbs. $1.60, 100 lbs. $3.00, bags included.**

FIELD OF EARLY AMBER CANE IN MICHIGAN

New Forage Plant, Sudan—See Page 145, Price, lb., 50c; 5 lbs., $2.00.

VAUGHAN'S HIGH-GRADE FERTILIZERS

The Yield and Quality of Vegetables Depend Upon Continuous and Rapid Growth

It has been demonstrated that market-garden crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Any delay in the growth of a lettuce or radish causes that sharp and pungent flavor of the former and the bitterness and toughened fibre of the latter, beets become stringy, etc. Plant food of the right amount and kind controls the yield and quality of market-garden-products more than any other condition, and it is neither wise nor economical to depend on the natural condition of the soil or the application of stable manure only for profitable crops.

VAUGHAN'S 5-8-3 TRUCK AND FARM MANURE

This is a good brand of concentrated Manure, suitable for **lawns and flowers** as well as vegetables mentioned below. It is of excepti onal value and will prove a **money maker** to every farmer or gardener that uses it.

To be used on	Rate per acre.
Essex Rape	200 to 500 lbs.
Beans	400 to 600 lbs.
Carrots and Cucumbers	400 to 800 lbs.
Asparagus, Lettuce, Tomato and Strawberries	500 to 1000 lbs.
Beets, Onions and Cabbage	500 to 1500 lbs.
Celery	600 to 800 lbs.

Price, 25 lbs., 75c; 50 lbs., $1.35; 100 lbs., $2.60; 200 lbs., $5.00; 500 lbs., $11.75; 1000 lbs., $22.50; 2000 lbs., $44.00.

BON ARBOR A highly concentrated form of plant food. ½ lb. pkg. making 15 gals., **25c;** 1 lb. pkg. making 30 gals., **50c;** 5 lb. pkg. making 150 gals., **$1.75;** box 50 lbs., **$12.50;** 100 lbs., **$20.00.**

VAUGHAN'S 3-8-3 FERTILIZER. This brand has been especially prepared for such crops as require a quick, strong fertilizer; should be mixed well into the soil. Adapted for tobacco, hops, potatoes, flax, sugar beets, early cabbage, caul flower, celery, fruits, specially strawberries, suitable for all soils (except sour). Quantity of pounds to be used per acre: Corn, 300 to 500; Clover, 200; Timothy, 200; Pasture, 200 to 600; Early Cabbage and Melons, 400 to 800; Peas, 400 to 800; Pumpkin and Squash, 300 to 600; Radish and Spinach, 500 to 1000. **Price, 25 lbs., 70c; 50 lbs., $1.25; 100 lbs., $2.25; 200 lbs., $4.00; 500 lbs., $9.50; 1000 lbs., $18.00; 2000 lbs., $35.00.**

VAUGHAN'S MANURE FOR HOME GARDEN. This is suited for all kinds of flowers, vegetables and the lawn, being a high-grade complete fertilizer, just what is needed to make plants grow. **Price, 5-lb. box, 30c; 10 lbs., 50c; 25-lb. bag, $1.00; 100 lbs., $3.00.**

ACID PHOSPHATE, 14% Available. **25 lbs., 75c; 50 lbs. $1.25; 100 lbs., $2.00; 500 lbs., $6.75; 1000 lbs., $12.00; 2000 lbs., $23.00.**

FRUIT AND ROOT CROP FERTILIZER 2-8-3.

For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre: Beet, 500 to 1500; Carrot, 300 to 800; Parsnip, 400 to 1000; Potato, 500 to 1000; Sage, 200 to 600; Salsify, 500 to 1000; Turnip, 500 to 1000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1000. **Price, 25 lbs., 65c; 50 lbs., $1.25; 100 lbs., $2.35; 200 lbs., $4.25; 500 lbs., $9.00; 1000 lbs., $17.25; 2000 lbs., $33.50.**

BONE AND BLOOD. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 300 to 500 lbs. per acre. **Price, 25 lbs., 60c; 50 lbs., $1.00; 100 lbs., $1.85; 200 lbs., $3.25; 500 lbs., $8.75; 1000 lbs., $17.00; 2000 lbs. $33.00.**

CLAY'S FERTILIZER. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil and as a top-dressing. **Price, 7 lbs., 75c; 14 lbs., $1.25; 28 lbs., $2.50; 56 lbs., $4.00; 112 lbs., $7.00.**

DRIED BLOOD. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, mums, all kinds of pot plants. **Price,** F. O. B. Chicago; **5 lbs., 35c; 10 lbs., 60c; 25 lbs., $1.25; 50 lbs., $200; 100 lbs., $3.85; 200 lbs., $7.50; 500 lbs., $17.50**

HARD WOOD ASHES. This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. **Price, 25 lbs., 45c; 50 lbs., 75c; 100 lbs., $1.25; 500 lbs., $5.00; 1000 lbs., $9.25; ton, $18.00.**

HORN SHAVIMGS. These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries to supply food after the natural fertility of the soil is exhausted. **Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.25; 100 lbs., $4.50.**

KAINIT or German Potash Salt. This contains an average of 12 per cent of actual potash. This fertilizer is imported from Germany. Now stopped on account of war. Write us when in the market.

LAND PLASTER OR GYPSUM. **Per 100 lbs., $1.25; 500 lbs., $4.50.**

PURE ICHTHEMIC GUANO. An Ideal Plant Food, that exactly fulfills all the requirements of Plants and Flowers, Fruit and Vegetables in a well-balanced form.

DIRECTIONS FOR USE.—(1) In the dry state, **1 to 2 ounces to the square yard of ground.** (2) In a liquid state, **a tablespoonful to a gallon of water** in the case of pot plants, about three times a week. (3) In a dry state mix with soil, when potting, **1 part to 100 parts of soil.**

Imported in original bags of 112 lbs. each. **28 lbs., $3.00; 56 lbs., $4.50; 112 lbs., $8.00.**

SCOTCH SOOT. (Genuine Imported.) Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. **Price, 28 lbs., $1.50; 56 lbs., $2.50; 112 lbs., $4.00.**

VAUGHAN'S "ROSE GROWER" BONE MEAL.

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia 4½ to 5½ per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. **Price, 5 lbs., 25c; 10 lbs., 50c; 25 lbs., 75c; 50 lbs., $1.25; 100 lbs., $2.25; 200 lbs., $4.15; 500 lbs., $9.75; 1000 lbs., $19.00; 2000 lbs., $37.00.**

Quantity Required.—For permanent pasture and mowing lands ½ to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1000 to 1500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

REGULAR BONE MEAL. 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 60c; 50 lbs., $1.10; 100 lbs., $2.00; 200 lbs., $3.80; 500 lbs., $9.00; 1000 lbs., $17.50; ton, $34.00.

COARSE GROUND BONE, for Grapes, 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 60c; 100 lbs., $2.00.

VAUGHAN'S CONCENTRATED PLANT FOOD

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers.

Package containing food for 20 plants for 3 months. **15c; 3 for 40c;** large package, containing sufficient plant food for one year, **25c; 3 for 65c;** if by parcel post, postage extra; mailing weight, small 10 oz., large 17 oz. Directions in package.

BOWKER'S PLANT FOOD. First-class; **Small pkg., 15c; large pkg., 25c;** mailing weight, small 7 oz., large 15 oz.

NITRATE OF SODA OR Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is **to grow maximum crops** you must in some way furnish the plant with Nitrogen.

HOW TO USE NITRATE OF SODA

Remove the lumps before using and break them up, which can be done by pounding. Use as a top-dressing at the rate of 100 lbs. per acre on the following vegetables, when plants are well established: **Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce, Spinach, Onions.**

For **Asparagus,** a top-dressing of 250 lbs. per acre just as soon as the first shoots make their appearance. For **Strawberries,** a top-dressing of about 100 lbs. per acre after the plants have blossomed.

For the **Home Garden** apply as a solution one ounce to two gallons of water. **Price (subject to market changes), 5 lbs., 35c; 10 lbs., 60c; 25 lbs., $1.35; 100 lbs., $4.00; original sack (220 lbs.) $8.25; 500 lbs., $18.00. Write for prices on larger quantities.**

VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. **5 lbs., 25c; 10 lbs., 40c; 25 lbs., 65c; 50 lbs., $1.00; 100 lbs., $1.85; 500 lbs., $7.50; 1,000 lbs., $12.00; ton, 21.00.**

MURIATE OF POTASH. This fertilizer is imported from Germany, now stopped on account of war. Write us for prices of available quantities.

SULPHATE OF POTASH. This fertilizer is imported from Germany. Now stopped on account of war. Write us for prices of available quantities.

SULPHATE OF AMMONIA. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench, or a tablespoonful to a bushel of soil, or 3 gallons of water. **Price, 1 lb., 25c; 5 lbs., 60c; 10 lbs., $1.10; 25 lbs., $1.75; 100 lbs., $6.50.**

SHREDDED CATTLE MANURE. An efficient, high grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so there is no refuse to blow about or be raked off when the growing season begins. If applied to the lawn in the fall it protects the grass roots all through the winter. It is as easy and cleanly to handle as grain, being perfectly dry and can be stored anywhere until wanted for use. **Price, f. o. b. Chicago, 100 lbs., $180; 500 lbs., $7.00; 1000 lbs., $13.50; 2000 lbs., $21.00.**

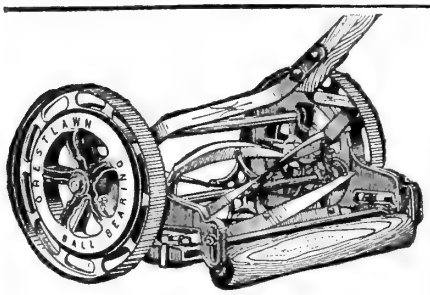
VAUGHAN'S HIGH GRADE LAWN FERTILIZER Make first application early spring when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1000 quare feet of lawn. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1000 square feet; rake thoroughly, then sow seed.

Price, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., $1.00; 50 lbs., $1.75; 100 lbs., $3.00; 200 lbs., $5.50; 500 lbs., $12.00; 1000 lbs., $22.00; 2000 lbs., $42.00.

New York prices—50c per 100 lbs.; $7.00 a ton more. See also page 7.

REGARDING PRICES.—The above prices on Clay's Fertilizer, Nitrate of Soda, Horn Shavings, Scotch Soot, Guano and Vaughan's Manure for the Home Garden are f. o. b. New York or Chicago; all the other prices are f. o. b. Chicago; if to be shipped from New York, add at the rate of 50c per 100 lbs., or $7.00 per ton on lots of 1000 lbs. or over to the above prices.

VAUGHAN'S LAWN MOWERS, ROLLERS, SWEEPERS SCYTHES, LAWN BOOTS, ETC.



CRESTLAWN BALL BEARING

The Strongest and Easiest running lawn mower ever built. Extra high eleven-inch Ball Bearing drive wheels and Automatic interlocking frame that cannot be knocked or twisted out of adjustment. The ONLY mower in the world so constructed.

Revolving Cylinder has five Self-sharpening steel blades and Self-adjusting Ball Bearings.

Recommended especially to owners of large lawns and parks where quality counts and first class, smooth work is desired. Recognized as the Highest Grade lawn mower in America. Absolutely guaranteed in every respect.

"Every bearing Ball Bearing."

14 in.	16 in.	18 in.	20 in.
$12.00	$13.00	$14.00	$15.00

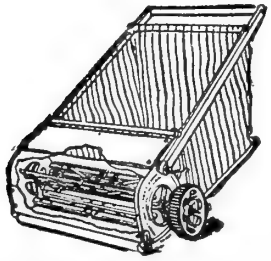
PHILADELPHIA GRASS COLLECTOR

Has a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. **Price for High Wheel and Style K and the Vaughan Mower, 14 and 15 inch, $1.70; 16 and 17 inch, $1.80; 18 and 19 inch, $1.90; 20 and 21 inch, $2.00.**

SIMPLEX GRASS CATCHER

A Grass Catcher of real merit. Fits any mower made. Instantly attached or detached. Has galvanized iron bottom and never-rip canvas cloth connections. It keeps the lawn clean, and will last a lifetime. Admittedly the best on the market. No. 1 fits 14 and 16-in. mowers—**Price $1.50.** No. 2 fits 16 and 18-in. mowers—**Price $1.75.**

GEM LAWN SWEEPER



This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work. **Price, 24-inch wide, each, $16.00.**

Philadelphia Horse Lawn Sweeper

A revolving brush in front sweeps the sod clean and throws the sweepings backward into a large box in the rear. The box can be dumped without stopping. The only reliable horse machine on the market. Sweeps 40 inches wide. **Price $72.50.**

LEAF RACK.

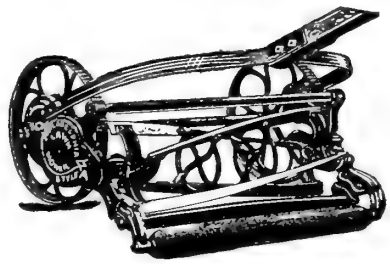
Very convenient for the cartage of leaves, cut grass from the lawn etc. Rack has an average width of 28 in. by 42 in., and is 21 in. deep. Leaf Rack with truck, 2½ in. tires. **$14.00; without truck, $6.00.**

UTICA LAWN TRIMMER

Each..... **$3.50**

Capitol Lawn Trimmer and Edger.

Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc.; 4 steel blades, 6 inches wide. **Price each $6.00 complete.**



PHILADELPHIA LAWN MOWER

High Wheel (Steel)—Style A.

The King of High Wheel Mowers. Constructed of steel throughout, it is much lighter in weight than any Mower of its size, consequently it is lighter in draught and easier to push. Fitted with four cutting-blades and ten-inch drive wheels—does not readily get out of repair, and in this way makes up for the higher cost by lower repair bills.

15 in.	17 in.	19 in.	21 in.
$10.25	$11.50	$12.75	$14.00

High Wheel—Style K.

For all-round general purposes this is one of the best style Mowers on the market. With its high wheels it runs light, and five knives it cuts smooth and even, with the principles of construction so evenly balanced that it has the greatest amount of durability.

14 in.	16 in.	18 in.	20 in.
$6.15	$6.80	$7.40	$8.00

Write for complete Philadelphia Lawn Mower Catalog

VICTORY BALL-BEARING MOWER.

To best of our knowledge the lightest and easiest running Mower on the market. While especially adapted to cutting fine lawns, the "Victory Mower" will do first-class work on lawn too rough for other mowers to be used. The ball bearings are the highest grade and reduce the friction so that a 24-in. machine can be run as easily as an 18-in. old style mower.

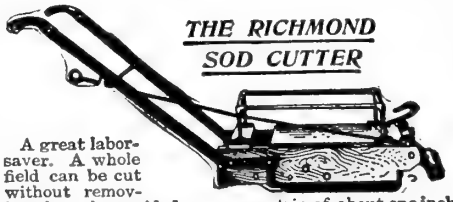
14 in.	16 in.	18 in.	20 in.
$8.50	$9.50	$10.50	$11.50

HORSE LAWN BOOT

Indispensable where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.

No. 2 for No. 2 horse shoe 5½ in. inside measure
No. 4 for No. 4 horse shoe 6½ in. inside measure
No. 6 for No. 6 horse shoe 7 in. inside measure
Per set of four $9.00

THE RICHMOND SOD CUTTER



A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at the start. **Price $23.00**

SCYTHE BLADES

English Riveted Back, 30-inch, $1.30; 36-inch, 1.40; 40-inch, $1.50

Scythe Snath or Handle, with patent fastening, each $1.00.

Talacre Scythe Stones each 25c, 3 for 60c.

LAWN RAKES.

Automatic Self Cleaning. A backward motion of the operator clears all the teeth at once. **Each, 75c.**

English Daisy. For running over lawns, tearing off disfiguring daisy and dandelion flowers; 20 teeth, **Each, $2.75.**

Lawn Queen. Wire teeth, reversible head; 24 teeth, **each, 45c;** 36 teeth, **each, 75c.**

THE EAGLE PHILADELPHIA HORSE LAWN MOWER.

The roller of this Mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 inch, 580 lbs; 40 inch, 610 lbs. **Price** (including seats, shafts and side-draft attachment) **f. o. b. Chicago or New York: 35-inch cut, $100.00; 40-inch cut, $110.00.**

N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purchasing.

THE VAUGHAN LAWN MOWER.

The driving wheels are ten inches in diameter, cylinder fitted with 4 blades suitable for long or short grass. Cylinder can be removed from machine without distrubing the frame of the machine. We guarantee every Vaughan Mower to do satisfactory work.

15 in.	17 in.	19 in.	21 in.
$8.50	$9.50	$10.50	$11.50

LAWN SHEARS

For cutting grass in places which cannot be reached by lawn mower.

Two Wheels, Each. $2.75

BORDER SHEARS

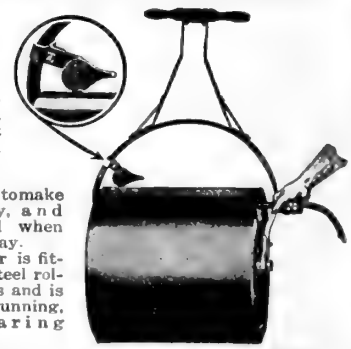
For trimming the edges of borders and walks. 9-inch, $2.25. With Wheel, $2.50

Gold Medal Roller Bearing Lawn Rollers

	Diameter.	Face.	Sections.	Weight, lbs.	Price
No. 401	15 in.	16 in.	2	150	$ 7.60
No. 402	15 in.	24 in.	3	200	10.00
No. 403	20 in.	20 in.	2	250	12.40
No. 404	20 in.	24 in.	3	300	14.60

"DUNHAM" WATER-WEIGHT LAWN ROLLER

One and two section



This roller has a water tight steel drum which can be filled with water to make it heavy, and emptied when storing away.

The roller is fitted with steel roller bearings and is an easy running, long wearing machine.

Without Counter-Balancing Hand Weights

	Dia. in.	L'gth in.	Sections	Wt. em'ty	Filled water	Prices
WB3	14	20	1	65	200	$ 8.80
WB5	18	24	1	80	310	10.40
WB7	24	24	1	115	500	13.50
WB9	24	32	1	130	650	15.20
WB11	18	24	2	100	330	14.40
WB13	24	32	2	160	650	21.20

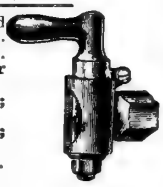
VAUGHAN'S LAWN, HOSE SPRINKLERS, NOZZLES, Etc.

HOSE NOZZLES

Boston Rose Spray. Brass; for ¾-inch hose; useful for watering lawn and garden. **Each, 60c;** by mail, **70c.**

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾-inch hose. Each. **50c;** if by mail, **60c.**

INSECTICIDE NOZZLES



These are especially designed for use in spraying insecticides. Made to fit ¼-inch pipe connection. If wanted to fit ¾-inch hose, order reducer, **25c extra.**

Bordeaux Nozzle. Each, **75c;** by mail, **80c.**

Vermorel Nozzle. Each, **75c;** by mail, **80c.**

Coupling to fit nozzles to hose. Each, **25c.**

BAMBOO EXTENSION ROD

Lined with aluminum. Eight feet long, with stop cock. Each, **$3.00.**

ALL IRON HOSE REEL

Very light, frictionless; wheels being so high are very easily worked; never break or wear out.

No. 10 100 ft. ¾-in. hose.....**$2.75**
No. 20 150 ft. ¾-in. hose..... **3.00**

THE COOPER HOSE MENDER

Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. ½ or ¾-inch, each, **8c;** doz., **75c;** 1-inch each, **10c;** doz., **$1.00,** postage, **5c** doz. extra.

Iron Mender, for ¾-inch hose. Each, **5c;** doz. **50c**

THE EVANSTON SPRINKLER

One of the best lawn sprinklers; has no revolving parts to wear out; will not clog with dirt. Gives even distribution of water over wide area. The fineness and symmetry of its spray make it especially desirable for new lawns and flowers. Its location may be easily changed while under full working head by aid of wire or cord. Ea. **35c.** Mailing weight about 2 lbs.

LINCOLN PARK or Butterfly

Used for years in Chicago parks; one of the most satisfactory sprinklers. Each, **30c.**

Mounted on stand, 2 foot, **75c;** 4 foot, **85c;** 6 foot, **$1.00.**

"COLUMBIA" SPRINKLER

Three Arm Lawn Sprinkler, can be operated with moderate pressure, covers wide area, and distributes water evenly. Revolving arms throw water in a fine spray into the air, and the motion produces a fine mist. Height, 1 foot. Each, **$1.25;** 3 for **$3.45.**

"AUSTRALIAN" SPRINKLER

This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2 foot, **65c;** 4 foot, **75c;** 6 foot, **85c;** 8 foot, **$1.00.**

RUBBER HOSE

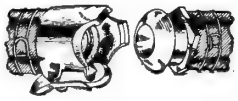
Electric Non-kinkable.

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with "snap" hose couplings if advised when ordering. Price, ¾-inch, per 25 feet, **$5.50** 50 feet. **$10.50;** 100 feet, **$20.00.**

Velvet

A first class smooth hose will give good satisfaction Price ¾ in., per 25 feet. **$5.00,** 50 ft. **$9.00,** 100 ft **$17.50.**

THE "SNAP" HOSE COUPLER



Best coupler, simple durable, always tight for ¾-inch hose. Per pair, 30c.

HOSE COUPLER, Brass, for ½ or ¾-inch hose, Each, **15c;** doz., **$1.50.**

Hose Straps, Coldwell. Used in fastenings coupler on hose. Doz., **15c.**

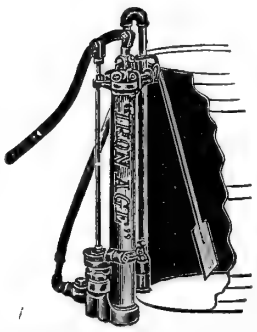
PERFECT CLINCHING HOSE COUPLER

¾-inch, per pair, 25c.

Perfect Clinching Hose Mender

A self fastening coupling that does not require extra bands, bolts or wires. It adjusts itself to any thickness of hose, ¾-inch, each, **10c;** doz. **$1.00.**

SPRAYERS FOR INSECTICIDES



IRON AGE VERTICAL BARREL SPRAYER PUMP No. 191

For the man with a small orchard or a few trees in the garden a hand pump furnishes high pressure fairly easily. Fits any barrel, but should be fastened to strongest side of barrel mounted outside of barrel where it is conveniently reached. Not being covered with solution, is not likely to be corroded. Only parts being inside barrel are dasher and suction pipe. Latter has fine screen at bottom, so sediment cannot pass through pump. Dasher operated automatically with pump handle keeps solution mixed thoroughly.

Price, **$15.00** without barrel; 191 B (with barrel) **$17.50;** 1911 (without barrel) with 15 ft. lead hose **$17.50.**

IRON AGE HORIZONTAL BARREL SPRAYER No. 190

For small orchard or garden, used on one-horse cart or sled. Pump outside barrel; gives 100 to 125 pounds pressure. Holds 50 gallons. Each sprayer has double hose coupling, so one or two leads of hose can be used.

Price, **$21.50** without hose; 1901 with one lead of hose 15 ft. **$24.00.**

IRON AGE STRAINER

Should be used on every Spray Rod and will eliminate at least half of your nozzle trouble, each **$1.00.**

Sunshine Double Action Spray Pump

A first-class orchard barrel sprayer, made of best material. Solid brass upper and lower cylinders. Main body and pump is all air chamber, and will withstand a pressure of 150 pounds per square inch.

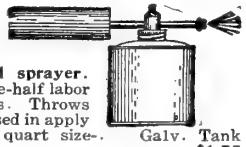
By using an extension rod the tops of highest trees can be reached, and as one or two leads of hose may be used, it cannot be surpassed for fast work. Pump can be mounted either on end or side of a wine or kerosene barrel.

Pump complete with agitator, suction pipe, brass strainer and two leads ½-inch hose 5 feet long, fitted with Vermorel or Bordeaux Nozzles,.....**$10.00**

PERFECTION

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insectides, etc. Galvanized Steel, **$5.00;** All Brass, **$7.50**

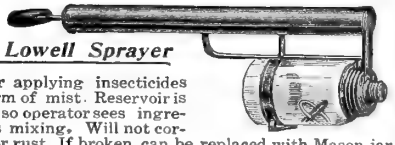
PNEUMATIC SPRAYER



Compressed air **hand sprayer.** Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used in apply insecticides, etc. One quart size. Galv. Tank **$1.00;** Brass Tank, each.....**$1.75**

The Daisy Sprayer

Splendid hand sprayer with advantage over similar makes that it sprays when held up or down. Plunger is fitted with double washer which gives spray with backward stroke as well as with forward. Each.....65c



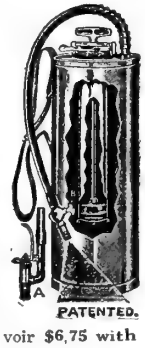
The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar Price, each, **75c;** 3 for.....**$2.00**

Success Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and buggies, or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money. Price, complete **$4.00** without bucket.

The Auto Spray



Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration. Briefly, the "Auto Pop" is an automatic valve closed by air pressure used to operate the "Auto Spray." In operation a lever is moved by simply closing the hand, thus opening valve and allowing instantaneous discharge of spray. Price, galvanized iron reservoir, **$4.50,** with **Auto Pop $5.40;** solid brass reservoir **$6.75 with Auto Pop $7.65.** Extension rods, 2-foot lengths, **45c.** Two-row attachments, **$1.35.**

0-2 Whitewash Sprayer

To those who desire a medium price sprayer that is constructed of best material and one that will do good work, this sprayer will answer your needs. It is equipped with three feet discharge hose shut-off cock, and our Star spray nozze and shoulder strap. Each $6.50.

Insecticides and Fungicides

Insecticides in small quantities can be sent by Parcel Post, a small extra charge being made for packing. Weights when packed are:—½ pint, 1 lb.; pint, 2 lbs.; 1 quart, 3 lbs.

Ant Exterminator. A non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. **Box, 25c; by mail, 35c; smaller size, 15c.** We do not send this outside of states of Illinois and New York.

Aphine. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. **Pt., 65c; qt., $1.00; gal., $2.50.**

Aphis Punk. Special preparation of nicotine for killing insects. **12 sheets, 60c; 1 case, 12 pkgs., $6.50.**

Arsenate of Lead. Popular remedy for use against all chewing insects that attack foliage and fruit trees. Will not wash off nor in any way burn the foliage. Use two or three pounds to fifty gallons water. **1 lb., 25c; 5 lbs., $1.00; 10 lbs., $1.80; 25 lbs., $3.75; 50 lbs., $7.25; 100 lbs., $14.00.**

Bordeaux Mixture. **(Liquid or Paste).** The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One gallon will make 50 gallons liquid. **1 qt., 40c; gal., $1.00; 5 gals., $4.50.** (Dry.) Ready for use by simply adding water. **Lb., 25c; postpaid, 40c; 5 lbs., $1.00; 25 lb. keg., $4.75.**

Fir Tree Oil. Fine spray for greenhouse and house plants affected with mealy bug, scale, red spider, black and green aphis, thrip, lice, worms and slugs, **Small bottle, 25c; ½ pt., 40c; pt., 75c; qt. $1.25; gal., $4.00.** We do not send this outside of states of Illinois and New York.

Fir Tree Oil Soap. For thrip, red spider, black and green fly, mealy bug, worms. **½ lb. tin, 25c; 2 lbs., 75c.**

Fish Oil Soap. (Commonly known as Whale Oil Soap.) An excellent wash for trees and plants where insects and eggs affect the bark. **Lb., 18c; 2 lbs., 30c; 5 lbs., 65c.**

Fungine. New remedy for mildew, and other fungus diseases, for greenhouse and outdoor use. **1 pt., 50c; 1 qt., 75c; 1 gal., $2.00.**

Flowers of Sulphur. **Lb., 10c; 10 lbs., 75c; 25 lbs., $1.50.**

Grape Dust. Excellent for the prevention and destruction of mildew on plants. **Lb., 10c; 5 lbs., 35c.**

Hellebore, Powdered White. Less poisonous than Paris Green and safer to use where fruit is nearly ripe. **Lb., 35c; by mail, 45c; 5 lbs., $1.50; 10 lbs., $2.85.**

Horicum. Sulphur, Lime, Salt, etc., in such proportions as to make an effective wash for use as a preventive and cure for San Jose scale. Use one gallon to 20 gallons of water and spray trees when leaves are off. **Qt., 35c; gal., $1.00; 5 gals., $4.50.** Write for barrel prices.

Kerosene Emulsion. One of the best insecticides for all soft bodied sucking insects feeding openly so as to be within reach of actual contact, such as plant lice, fleas, beetles, aphis, green fly, mealy bug, also for insects of fruit trees, including San Jose scale. **Qt. can, 40c; 1 gal., $1.00; 5 gal. can, $4.50.**

Lemon Oil. Destroys mealy bug, scale, thrip, red spider, etc. **½ pt., 25c; pt., 40c; qt., 75c; ½ gal., $1.25; 1 gal., $2.00.**

Lime-Sulphur. The best remedy for San Jose scale. One gallon makes ten. Also one of the best Summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. **Qt. can, 40c; 1 gal., $1.00; 5 gal. can, $4.50.**

Nico-Fume. Strips of Paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 feet long by 20 feet wide. **24 sheets, 85c; 144 sheets, $4.00; 288 sheets, $7.50.**

Nico-Fume Liquid. For fumigating or spraying; contains 40 per cent nicotine. **¼ lb., 50c; 1 lb., $1.50; 4 lbs., $5.50; 8 lbs., $10.50.**

Nicoticide. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. **4 ozs., 70c; ½ pt., $1.25; pt., $2.50; qt., $4.50; ½ gal., $8.25; gal., $15.00. Fumigator for above, 75c.**

Nicoteen. Use same as Nicoticide. **¼ pt., 40c; ½ pt., 85c; pt., $1.50; 3 pts., $4.25; original case, (10 pints) $13.00.**

Paris Green. A poisonous insecticide in powdered form, for insects which chew. When applied as a powder use one part Paris Green to 100 parts plaster or flour. As a liquid one pound Paris Green in 150 to 300 gallons water. If used on fruit trees add one pound quicklime. **¼ lb., 10c; ½ lb., 18c; lb., 30c; 5 lbs., $1.40; 14 lbs., $3.65.**

Pyrox. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage, vegetables, fruits and shrubs. **Lb., 25c; 5 lbs., $1.00; 10 lbs., $1.75; 25 lbs., $4.00; 50 lbs., $7.50; 100 lbs., $13.50.**

Scalecide. Oil preparation for San Jose Scale. **Qt. 40c; gal., $1.25; 5 gals., $4.00; 10 gals., $7.00.**

Slug Shot, Hammond's. Destroys potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. **1 lb. carton, 15c; 5 lbs., 40c; 25 to 50 lbs. at 5c per lb.; keg of 125 lbs., net $6.00; barrel in bulk, 250 lbs., $11.50.**

Slug Shot Duster. **Each, 35c.**

Solution of Copper. For trees, vines or vegetables affected with rot, blight or scab. **Pt., 35c; qt., 60c; gal., $1.75.**

Sulpho Tobacco Soap. One of the best remedies for green fly on roses. **8 oz. box, 20c; by mail, 25c; 3 oz. pkg., 10c; by mail, 12c.**

Thrip Juice. For mealy bug, scale, thrip, codling moth, canker worms, beetles, caterpillars, etc, **Pt., 65c.**

Tree Tanglefoot. Perfect safeguard for trees against Gypsy, Browntail and Tessock moths, canker worm, cut worms, ants, and other creeping insects. **1 lb. can, 30c; 3 lb. can, 85c.**

Tobacco Stems. For fumigating. **5 lbs., 20c; per 100 lbs. $1.50.**

Tobacco Dust. Remedy for aphis, fleas, beetles, etc. **Lb., 10c; 5 lbs., 25c; 10 lbs., 40c; 100 lbs., $3.00.**

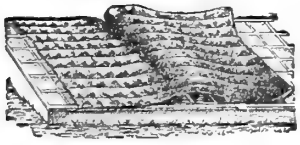
X. L. All-Liquid Insecticide. English nicotine preparation, harmless to very delicate plants. Kills mealy bug, red spider and white fly. **½ gal., $2.25; 1 gal., $4.00.**

Sulphate of Iron. A remedy for weeds on lawns for which it is claimed that it will kill dandelions without injuring the grass. To be successful, liquid should be applied with a fine spray. Full particulars on application. **5 lbs., 25c; 10 lbs. 40c; 25 lbs. 75c; 50 lbs. $1.25; 100 lbs. $2.25.**

Eureka Weed Killer

A special preparation which dissolves in water. Will destroy all weeds, moss, etc., on gravel walks, carriage drives, etc., and keeps them under control the whole season. All who have used this preparation praise it highly. **Large size tin, enough for 100 square yards of path, $1.00; 12 lb. tin, $3.00.**

HOT BED MATS



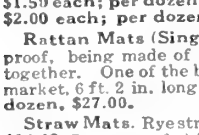
Burlap Mats, lined, waste wool and cotton quilted **Size A,** 40x76 in., **$1.10 each; per dozen, $11.00. Size B,** 76x76 in., **$1.60 each; per dozen $16.00.**

Duck Mats. Same as above, with water-proofed duck on one side to shed rain. **Size C,** 40x76 inches, **$1.50 each; per dozen, $16.00, Size D,** 76x76 inches, **$2.00 each; per dozen, $21.50.**

Rattan Mats (Singapore Fibre). Mouse and rot proof, being made of flexible cane fibre, firmly put together. One of the best and most durable mats on market, 6 ft. 2 in. long by 6 ft. wide. **Each, $2.50; dozen, $27.00.**

Straw Mats. Rye straw, 3x6 ft., **each $1.25; dozen $14.00.** Same mat, 6x6 ft., **each $2.25; dozen $25.00.**

WATER BARREL TRUCK



Can be used for a variety of purposes, barrel can be easily attached or detached from the truck by simply raising or lowering the handles.

Water Barrel and Truck with 2½ inch tires..... **$13.50**

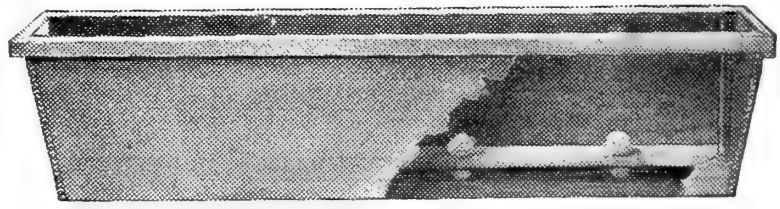
Truck only, without barrel but with one pair trunnions **$9.00**

Sprinkler attachment for barrel..... **4.00**

HAND CART BOX

Used with truck makes a very convenient dumping hand cart. Length, 37 inches; width, 23½ inches; depth, 8 inches, Hand Cart Box with truck, 2½ in. tires, **$13.50;** without cart, **$4.00.**

"ILLINOIS" SELF-WATERING FLOWER BOXES AND BASKETS



HANGING BASKETS

Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. The water goes directly into reservoir and is drawn upon as needed, so earth is always moist. "Never leak a drop"; may be hung on chains or set on small table. Prices do not include chains.

No.	Depth	Square	Price	No.	Depth	Square	Price
8	6 in.	8 in.	$1.00	12	8 in.	12 in.	$1.50
10	7 in.	10 in.	1.25	14	9 in.	14 in.	1.75

WINDOW BOXES

Neat, convenient and practical window box made entirely of metal and guaranteed not to leak. The box has a reservoir in the bottom, which, when filled with water will supply plants with moisture for ten days, by means of sponges inserted in the false bottom of the box. Water being conveyed direct to roots of plant leaves the soil in a loose condition, always moist, ideal for plant growth.

8 in. deep, 9½-in. wide, (except No. 0, 6-in. deep, 6-in. wide).

No.	Length	Price	No.	Length	Price
0	16 in.	$1.00	6	33 in.	$2.35
1	23 in.	1.60	7	35 in.	2.50
2	25 in.	1.75	8	37 in.	2.65
3	27 in.	1.90	9	39 in.	2.80
4	29 in.	2.05	10	41 in.	3.00
5	31 in.	2.20			

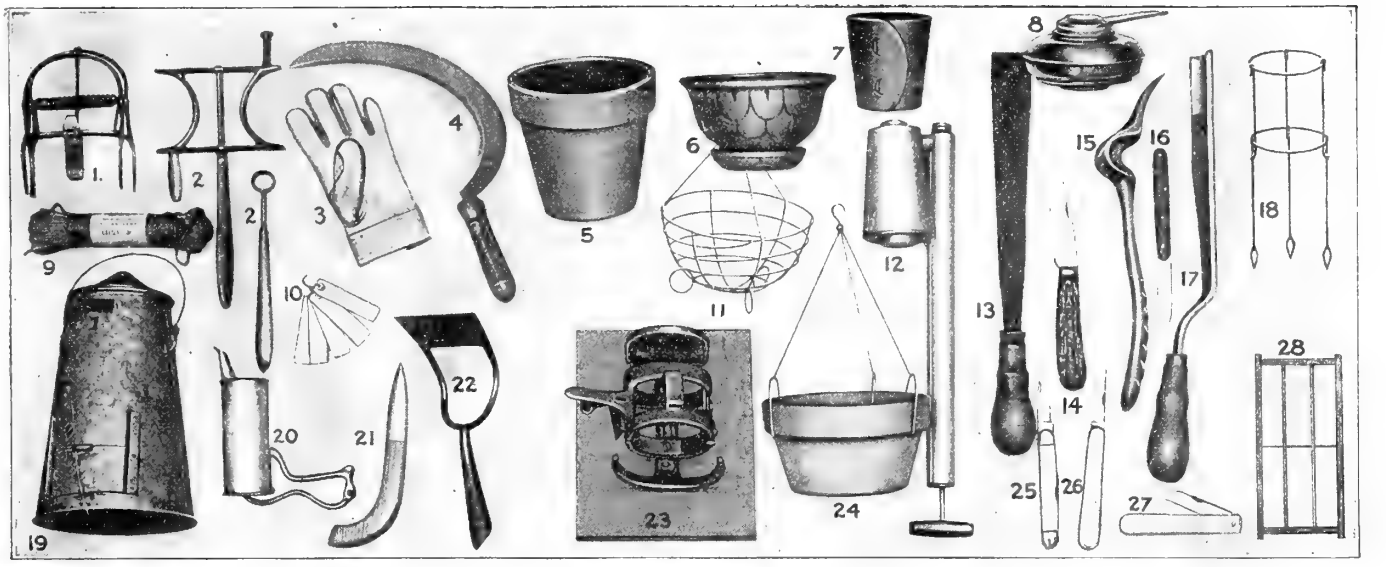
PORCH BOXES. Made on the same principle but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months' Never drip, like the old wooden boxes, and only require watering every 10 days.

9 in. deep, 12 in. wide.

No.	Length	Price
21	37 in.	$3.00
22	41 in.	3.40
23	45 in.	3.75

8 in. deep, 12 in. wide.

No.	Length	Price
24	49 in.	$4.00
25	53 in.	4.25



VAUGHAN'S GARDEN TOOLS AND REQUISITES

ASPARAGUS BUNCHER. (Fig. 23.) Each, **$2.00.**

BASKETS—Wire Hanging.—(Fig. 11.) Each, 6-in., **10c;** 8-in., **15c;** 10-in., **20c;** 12-in., **25c.**

Earthenware Hanging.—Terra Cotta. (Fig. 6.) Saucer attached without hanging wire.

	Each	Doz.		Each	Doz.
7 in.	$0.15	$1.50	8 in.	$0.20	$2.25
9 in.	.30	3.00	10 in.	.40	4.00
12 in.				.50	4.75

BOXES—Cut Flower.—Vaughan's "Green" Grade Green lined, moistu re-proof board. Very popular

Size in inches	Weight per 100	Per 100	Size in inches	Weight per 100	Per 100
3 x16x4	33 lb.	$3.25	3½x21x7	65 lb.	$4.50
3 x18x5	40 lb.	3.25	3½x30x5	75 lb.	4.75
3 x21x5	45 lb.	3.50	4 x24x8	85 lb.	5.25
3½x24x5	60 lb.	4.25	5 x28x8	105 lb.	6 75
3½x18x6	55 lb.	4.00	5 x36x8	135 lb.	9.50

CARNATION SUPPORTS. (Fig. 18.) Model; wire, 2 rings. Doz., **75c;** 100, **$5.00.**

DANDELION PULLER.—The Vaughan. (Fig. 15.) Made of best steel, after an English pattern; 13½ in. long, weight 12 oz. Each, **50c.**

DANDELION KILLER IDEAL.—A tube 1½ in. diameter, 30 in. long, holds one quart gasoline, which is dropped into dandelion Each, **$1.00.**

DIBBER. (Fig. 21.) For transplanting vegetable plants; steel point. Each, **30c;** (weight 10 oz.)

DUSTER.—Lowell. (Fig. 12.) Each, **75c.**

LITTLE GIANT DUSTER.—The best dry powder gun; will distribute any dry insecticides and fungicides. Will do as much work in a day as a horse power sprayer. Price, **$5.50.**

AMERICAN POWDER BELLOWS.—Used for dusting plants with sulphur or like material. Three sizes. Each, **$1.00; $1.25** and **$1.35.**

FORK.—Digging or spading 4 tines. Each, **85c.**

FUMIGATORS.—Eureka (Galvanized). (Fig. 19.)

No.		No.	
1 For ½ pk. of stems.	$1.50	3 For ½ bu. of stems.	$2.75
2 For 1 pk. of stems.	2.00	4 For ¾ bu. of stems.	3.50

Campbell's Vaporizer

Campbell's Sulphur Vaporizer, designed to vaporize sulphur in greenhouses without danger. Most useful for killing mildew and other fungous diseases, No. 1 (small). **$5.00;** No. 2 (large) **$7.50.** (For New York City only).

GARDEN LINE REEL.—Each, **60c,** (weight 2 lbs.)

GARDEN LINE.—(Fig. 9.) Each heavy braided. Per 100 feet, **50c;** by mail, **60c.**

GLAZING MATERIAL

GLASS CUTTER AND GLAZING TOOL. Ea. **10c.**

GLASS CUTTER DIAMOND. Each, **$4.50.**

GLAZING POINTS.—Vaughan's Perfection No rights or lefts; No. 2, small single thick glass; No. 1, large, single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1,000, **70c;** by mail, **85c.**

Siebert's Improved.—Easy to drive, and will not wedge or crack glass, 2 sizes, ⅝ and ⅞-inch long. Price per lb., **50c.**

MASTICA.—For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, **$1.35.**

MASTICA MACHINE. (Fig. 20.) For applying above. Each, **$1.35,** (weight 1½ lbs.)

TWEMLOW'S OLD ENGLISH GLAZING PUTTY.—Semi-liquid. Same as Mastica. Per gallon, **$1.85.**

SCOLLAY'S PUTTY BULB. Useful tool with a tube for applying liquid putty in glazing greenhouses, Each, **$1.00,** (weight ½ lb.)

GLOVES—Gardener's. (Fig. 3.) Heavy Goatskin. Per pair, **$1.00.**

GRASS HOOKS or Sickles.—(Fig. 4.) **English.** Riveted backs, each, 50c.

German.—Best cheap Sickle; much used by cemeteries and parks. Each, **30c.**

GRAFTING WAX.—Per ¼ lb. bar, **12c;** ½ lb. bar, **20c;** 1 lb. bar, **35c.**

HOE.—Draw or Field. Socket handle. Each, **50c.**

Combination Draw and Rake. 4½-inch cut and 4 teeth. Each, **50c;** 6½-inch cut and 6 teeth, **60c.**

English Scuffle or Push. (Fig. 22.) 6-inch, **55c;** 8-in., **65c;** 10-in., **75c.**

Prong Hoe or Potato Hook. Four tines, **65c.**

Warren. Best Garden Hoe made. Each, **85c.**

KNIVES.—Asparagus. Straight Cut. (Fig. 13.) Each, **45c;** by mail, **50c.**

Asparagus. Concave. (Fig. 17.) Each, **50c;** by mail, **55c.**

Budding. (Fig. 26.) Ivory handle. Each, **$1.25.** by mail, **$1.30.**

Budding. Black handle, ivory tip, strong. Each, **95c;** by mail, **$1.00.**

Propagating. Ivory handle. Each, **$1.25;** by mail, **$1.30.**

Propagating. (Fig. 16.) "The Vaughan," best of all. Each, **75c;** by mail, **80c.**

Budding and Propagating. (Fig. 25.) 2 blades, ivory handle. Each, **$1.25;** mail, **$1.35.**

Pruning. (Fig. 14.) Stag handle, English. Each, **$1.25;** by mail, **$1.30.**

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each postpaid, **30c;** 3 for **75c.**

LABELS.—Aluminum Tree Labels. (Fig. 10.) Wired 3¾ inches long by 1 inch wide. Price per doz., **30c;** 100, **$2.00;** 1,000, **$18.00.**

Wooden. For pots, painted.

	100	1000		100	1000
4 in.	$0.15	$1.00	6 in.	$0.25	$1.75
5 in.	.20	1.50	12 in.	.75	6.50

Tree, Copper Wired . . . 3½ in. . . . . **.20** **1.50**

COPPER.—Indestructible. Small, **20c** doz.; 100, **$1.25;** large, **25c** doz.; 100 for **$1.50.**

CYPRESS.—For use outside, will last for years, 16x1¼ in. Doz., **35c;** 100 for **$2.25;** 18x2 in., doz., **45c;** 100 for **$2.50.**

IRON AGE.—Galvanized iron. The reading is protected by a sheet of mica. Each, **20c;** doz., **$2.00;** 100 for, **$15.00.**

LEAF MOLD.—For potting ferns and like plants. Bbl., **$2.50.**

CARBOLENIUM PAINT.—Used on labels, will preserve them for years. quart, **25c;** gallon, **$1.25.**

MOLE TRAP.—Out O'Sight. (Fig. 1.) One of the best mole and gopher traps. Each, **85c.**

PEAT.—For potting orchids, etc. Pe bbl., **$2.50.**

PEAT MUCK.—For potting Azaleas. Per bbl. **$2.00.**

PENCILS.—Indelible. With tip. For marking labels. Each, **15c;** doz., postpaid, **$1.50.**

PLANT BED CLOTH.—For Flower Beds, cheap substitute for glass, answering many uses equally well, 20 to 50 yds., medium, per yd., **12c;** heavy, **20c;** 50 to 100 yds. medium, per yd., **11c;** heavy. **18c;** not less than 20 yds. of a kind sold.

POTS, SAUCERS, PANS

RED FLOWER POTS.—(Fig.5.) We pack these carefully but will not be responsible for breakage in transit.

	Doz.	100	1000		Doz.	100	1000
2 in.	$0.12	$0.65	$5.50	6 in.	$0.65	$4.60	$38.00
2½ in.	.15	0.85	7.00	7 in.	1.00	7.00	
3 in.	.20	1.25	10 00	8 in.	1.40	10.00	
4 in.	.35	1.75	15.00	10 in.		each	.25
5 in.	.45	3.50	25.00	12 in.		each	.40

SAUCERS, FIBRE, waterproof and unbreakable.

	Doz.	100		Doz.	100
5 in.	$1.60	$12 00	9 in.	$2.10	$16.00
6 in.	1.75	12.50	10 in. each	.25	doz.2.35
7 in.	1.90	13.50	12 in. "	.30	" 2.65
8 in.	2.00	14.50			

FERN PANS RED—

	Each	Doz.		Each	Doz.
6 in.	$0.07	$0.75	8 in.	$0.12	$1.25
7 in.	.10	1.00	10 in.	.25	2.00

AZALEA PANS RED—

	Each	Doz.		Each	Doz.
6 in.	$0.07	$0.75	9 in.	$0.25	$2.50
7 in.	.12	1.25	10 in.	.35	3.50
8 in.	.15	1.50	12 in.	.50	

NEPONSET PAPER.—(Fig. 7.) Made of waterproof paper and are light, clean and unbreakable.

	Per 100	1000		Per 100	1000
2¼ in.	$0.35	$3.00	4 in.	$0.95	$8.25
2½ in.	.40	3.50	5 in.	1.30	12.00
3 in.	.60	5.00	6 in.	1.85	16.50
3½ in.	.75	6 25			

POT HANGER.—Kramer's. (Fig. 24.) Converting flower pots into hanging baskets. Price, each, **15c;** doz., postpaid, **$1.35.**

POWDER GUN.—Jumbo. (Fig. 8.) Each, **30c.** small size, **15c;** by mail, **20c.**

RAKES.—Steel Bow Garden. Best, does not break in center; 12 teeth, **60c;** 14 teeth, **75c;** 16 teeth, **90c.**

Garden. 12 teeth, **50c;** 14 teeth, **60c;** 16 teeth, **75c.**

Lawn Rake. (See page 150).

Erwin Dandelion Rake.—Specially designed for catching and cutting off heads of dandelion blossoms, preventing their spreading and disfiguring the lawn, It is also a superior all-purpose lawn rake and never injures the sod.

Erwin Dandelion Rake
Price, each, $1.50

SASH, HOTBED.—(Fig. 28.) Unglazed, 3x6 ft., for 3 rows, 10-inch single glass. each, **$1.50;** 3 for **$4.40;** doz., **$17.50.** Glazed, each **$3.50;** 3 for **$10.40;** doz. **$41.00.**

For 3 in. x 6 ft., for 4 rows, 8-inch single glass, Unglazed each, **$1.60;** 3 for **$4.75;** doz., **$18.50.** Glazed, each **$3.60;** 3 for **$10.70,** doz. **$41.80.**

Double Glass Sash. 3x6 ft., for 3 rows 10 in. glass, unglazed, each **$2.35;** 3 for **$6.95;** doz. **$27.75.** Glazed, each **$5.25;** 3 for **$15.65;** doz. **$61.50.**

For 38 in. x 6 ft., for 4 rows 8 in. glass. Unglazed, each **$2.45;** 3 for **$7.35;** doz. **$28.95.** Glazed each **$5.35;** 3 for **$15.95;** doz. **$62.50.**

Our sash are made of clear kiln-dried Cypress. Unglazed sash are not painted. Glazed sash are painted one coat.

VAUGHAN'S GARDEN TOOLS AND REQUSITIES.—Continued.

SAWS—Double Edge Pruning. 16-inch, **85c;** 18-inch, **$1.00;** 20-inch, **$1.10.** (Mailing weight, 12 ozs.)

Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the trunk of the tree. Each, **$1.75;** extra blades, **25c.**

SCISSORS.—Grape Thinning. (Fig. 46.) Each, **60c.**

SHEARS.—Hedge. (Fig. 35.) Best imported English.

8-inch, **$1.25;** with notch..... **$1.40**
9-inch, **1.50;** with notch..... **1.65**
10-inch, **1.75;** with notch..... **2.00**
Notch at crutch of blades to cut small branches.

German Pruning. (Fig. 44.) 4½-inch. Each, **90c;** 5½-in., **$1.00;** 6½-inch, **$1.10;** 7½-in., **$1.15;** 8½ in., **$1.35;** 9½ in., **$1.50.** Extra Springs, each, **15c.**

California Pruning. Best grade, with double brass springs. Each, **$1.65.**

Levin's Pruning. (Fig. 45.) One of the best pruning shears made. Each, **50c.**

Sheep. With thumb guard. For trimming grass on edges and around flower beds. Each, **35c.**

Sheep. Best quality steel, 6½-inch blade, **$1.25.**

Buckeye Pruning. Long handle. Each, **$1.50;** large size, heavier, **$1.75.**

Clyde Draw Cut Pruner. (Fig. 42.) Extra strong, long handle, **$2.25.**

Improved Wire. For cutting annealed wire. Each, **85c.**

SHOVELS.—Ames. D handle, round point. Each, **$1.35.**

Ames. Long handle, round point. Each, **$1.30.**

Ames. D handle, square point. Each, **$1.30.**

SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ⅛ to ¾ inch. Each, **$1.25.**

SOIL.—Potting. Suitable for all ordinary plants and bulbs, and will be sent by express or freight at buyer's expense, sifted and packed ready for use. Peck, **35c;** bushel, **$1.00.** Barrel, **$2.00.**

SPADES.—Vaughan's. Special D handle. (Fig. 48.) Each, **$1.25.**

SPRINKLERS.—The Lenox. (Fig. 30.) A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each **35c;** by mail, **40c.**

Scollay's Rubber. (Fig. 51.) Indispensable for Floral work. Large **90c;** by mail, **$1.00;** medium, **75c;** by mail, **82c;** small, **60c;** by mail, **65c.**

STAKES.—Green Painted Wood. Very useful for tying plants, shrubs, etc.

Light Weight.

	Per doz.	100		Per doz.	100
1½ ft	$0.20	$1.25	3½ ft	$0.60	$4.50
2 ft	.25	2.00	4 ft	.75	5.75
2½ ft	.35	2.70	5 ft	.85	6.50
3 ft	.50	3.75			

Heavy Dahlia. 3 ft..... **$0.75** **$5.75**
Heavy Dahlia. 4 ft..... **.95** **7.25**
Heavy Dahlia. 5 ft..... **1.10** **8.75**

	Per 100	1000
Cane Stakes. 6 to 8 ft. long.....	**$1.00**	**$ 7.00**
Cane Stakes. 9 to 12 ft. long, extra heavy.....	**2.00**	**15.00**
Bamboo Stakes. 4 to 6 ft. long, light Japanese cane.....	**.75**	**6.00**

Japanese Green Plant Stakes. Doz.	100	1000
1½ ft.....	**$0.15**	**$0.50**	**$4.00**
2 ft.....	**.20**	**.70**	**5.00**
2½ ft.....	**.25**	**.85**	**6.00**
3 ft.....	**.25**	**1.00**	**8.00**
4 ft.....	**.30**	**1.10**	**9.00**

GALVANIZED WIRE.

No. 9	Per doz.	100	No. 9	Per doz.	100
1½ ft.....	**$0.10**	**$0.55**	3½ ft.....	**$0.25**	**$1.00**
2 ft.....	**.15**	**.60**	4 ft.....	**.30**	**1.25**
2½ ft.....	**.18**	**.70**	5 ft.....	**.35**	**1.60**
3 ft.....	**.20**	**.85**	6 ft.....	**.45**	**2.25**

STAND, Rolling. (Fig. 36.) For heavy plants. Made of indurated fibre ware. Castors have ball bearings; 12-inch, **75c;** 14-inch, **85c;** 16-inch, **$1.10;** 18-inch, **$1.20;** 20-inch, **$1.50;** 22-inch **$1.70.**

SYRINGES.—Brass. No. 0, 12½-inch spray for small greenhouses or windows, **$2.00.** (Weight, 2 lbs.)

No. 5. Greenhouse Syringe, 18-inch barrel, **$6.00.** (Mailing weight, 3 lbs.)

English. (Fig. 29.) Brass, No. 11, 18-inch barre. with two different sprays and one stream, **$4.00.** (Mailing weight, 3 lbs.)

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Tin Case. (Fig. 38.) 8-inch, **20c;** 6 for **$1.50.**

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Imported German. All glass, very accurate for propagating and hot beds, **30c.**

Hot Bed. Brass point, wooden frame, **$2.00.**

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F. O. B. Chicago. Each, **25c;** doz., **$2.00.**

TRELLIS, WOOD. Fan Shape. (Fig. 31.) 18-inch, **15c;** 3 for **40c;** 24-inch, **25c;** 3 for **60c;** 30-inch, **30c;** 3 for **75c;** 36-inch, **50c;** 3 for **$1.35;** 3½ feet 21 inches wide, **60c;** 4-feet, 27 inches wide, **75c;** 5-feet, 32 inches wide, **85c;** 6-feet, 38 inches wide, **$1.00;** 7-feet, 42 inches wide, **$1.20.**

Veranda. 18-inch wide; 5 feet, **$1.00;** 6 feet, **$1.15;** 7 feet, **$1.25;** 8 feet, **$1.50;** 9 feet, **$1.65;** 10 feet, **$1.80.**

TROWELS.—Vaughan's Steel. (Fig. 32.) One solid piece of steel and will outwear all others. Each, **50c;** 3 for **$1.40.** Postpaid, each, **60c.**

Ordinary Garden. 6-inch, each, **12c;** prepaid, **20c**

English Steel. 6-inch, each, **25c;** prepaid, **35c.**

Transplanting Trowel. Can be used either as a transplanter, dibber or weed digger, blade being narrow and deeply curved. 7-inch, **25c;** postpaid, **35c.**

TREE PRUNERS.—Water's. (Fig. 50.) Length of pole, 4 feet, **60c;** 6 feet, **85c;** 8 feet, **$1.00;** 10 feet, **$1.10;** 12 feet, **$1.25.**

Extra Knives. Each, **20c.**

TREE SCRAPER. (Fig. 41.) With handle. Each, **75c.**

FLOWER TUBS.—Columbian. (Fig. 54.) Made of the best pine lumber. Has twelve staves in tapered shape held together by two steel wires. Natural varnish finish. Measurements are outside of tub.

F. O. B. Chicago only.

11 by 11½ inches..... Each, **$1.00;** 4 for **$3.80**
14 by 14½ inches..... Each, **1.50;** 4 for **5.60**
17 by 16½ inches..... Each, **2.00;** 4 for **7.50**
19 by 19¾ inches..... Each, **2.50;** 4 for **9.40**
26¾ by 22½ inches..... Each, **3.00;** 4 for **11.00**

Union Cypress. (Fig. 53.) These tubs are made of ⅞-inch cypress, which insures their keeping for years without rotting. Measurements are outside of tub.

No.			Each	4 for
1—11½	in. diam.,	11½ in. high.....	**$1.00**	**$3.60**
2—13½	in. diam.,	12 in. high.....	**1.25**	**4.50**
3—14	in. diam.,	14 in. high.....	**1.65**	**6.00**
4—16	in. diam.,	15 in. high.....	**2.00**	**7.50**
5—19	in. diam.,	18 in. high.....	**3.00**	**11.00**
6—22	in. diam.,	19½ in. high.....	**3.75**	**13.00**

TURF EDGER.—American. (Fig. 49.) Each, **60c.**

English. Imported steel blade, only **$1.00.**

VASE.—Clara Cemetery. (Fig. 34.) Glass, 12-in., sharp pointed, **50c.**

Fiber. For Cut-Flowers. Unbreakable.

9 inches deep, 4½ inches diam..... Each, **$0.50**
10 inches deep, 5½ inches diam..... Each, **.55**
13 inches deep, 8 inches diam..... Each, **.65**
18 inches deep, 5½ inches diam..... Each, **.75**

WATERING POTS.—American. (Fig. 52.) Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, **$1.75;** 6 quart, **$2.00;** 8 quart, **$2.25;** 10 quart, **$2.50;** 12 quart, **$2.75.**

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Eureka. (Fig. 33.) Best hand weeder for loosening soil around plants. Short handled, **25c;** long handled, **35c.** (Mailing weight, ½ lb.)

Excelsior. (Fig. 39.) Each, **10c.** (Mailing weight, 4 ozs.)

Lang's. (Fig. 40.) We find this by actual trial a real labor saver. Each, **20c.** (Mailing weight, 4 ozs.)

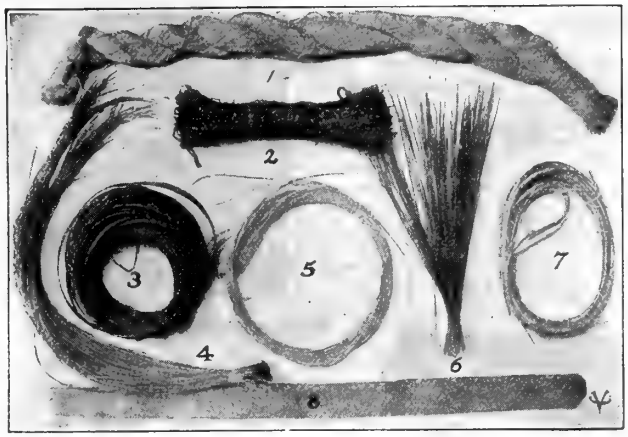
Hazeltine. (Fig. 47.) Each, **20c.** (Mailing weight, 6 ozs.)

Magic Weeder and Hoe. Handy tool, weeder part having four long tines. When reversed can be used as a hoe. Each, **30c.** (Mailing weight, 12 ozs.)

Piqua. Long handled useful tool, makes weeding easy, no stooping. Price, **$1.00.**

WHEELBARROWS.—Globe Garden. (Fig. 43.) Inside measurements of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end. 12 inches deep. Has a 20-inch wheel. Price, with steel wheel, **$4.50.**

Vaughan Greenhouse. We had numerous calls for a greenhouse wheelbarrow, the ordinary wheelbarrow being too wide. We built a special barrow which fills this want perfectly. Price, each **$5.00.**



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1—Raffia Braid; 2—Raffia Colored; 3—Indian Splint; 4—Sweet Grass; 5—Round Reed; 6—Pine Needles; 7—Flat Reed; 8—Wood Ribbon.

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Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island, and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green, navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Natural, bunch (about 2 ozs.)...**$0.10** | **Colored,** per lb.....**$0.60**
Natural, per lb., **30c;** 5 lbs..... **1.25** | **Mixed Colors,** bunch (2 ozs.)... **.10**
Colored, bunch (about 1½ ozs.). **.10** | **Mixed,** per lb..... **.45**
Special White.....2 oz. bunch, **10c;** 1 lb., **40c;** 5 lbs., **$1.50**
Needles, for Raffia Work.....per package **.10**

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Since the recent awakening to the importance of basketry, Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 8 are the common sizes, 6 and 8 being used for the coarser work.

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Sweet Grass is an excellent basket-weaving material and may be combined with Raffia with charming effects. It possesses a delightful fragrance.

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Oz., **15c;** ¼ lb., **50c;** 1 lb.; **$1.55.**

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¼ inch wide, per roll of 25 yards.....**$0.20**
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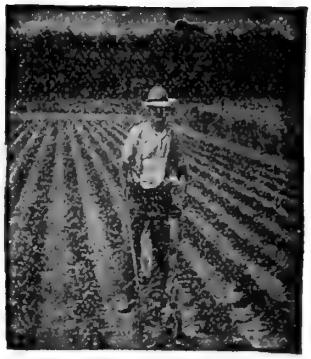

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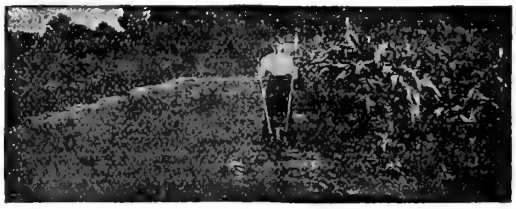

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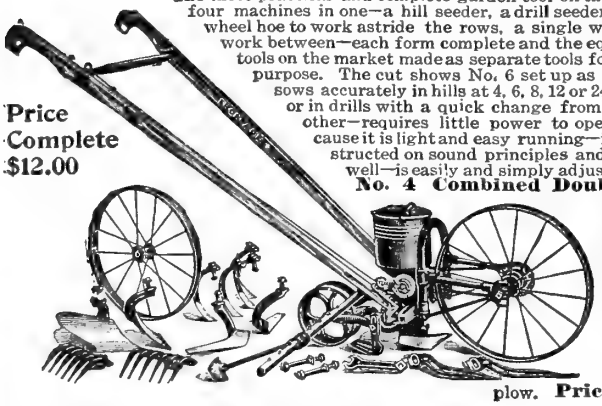

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No. 15 Combined Single Wheel Hoe, Hill and Drill Seeder

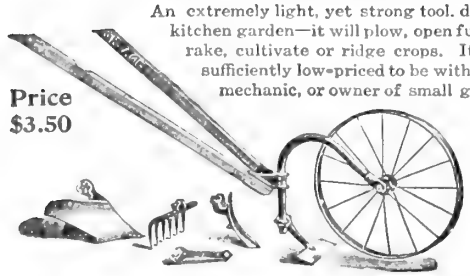
Price Complete $11.00

A thoroughly practical and complete combination. Will accomplish about all the work of the No. 6, except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. 6. In its Seeder form sows either way, in drills or hills. Has strong hollow steel tube frame, the 16 in. wheel and is simply and easily changed and adjusted. When wanted as Hill and Drill Seeder only, order No. 16. **Price, $8.50**

No. 17 Combined Single Wheel Hoe and Drill Seeder is same as No. 15 except that it has no hill-dropping device. **Price $10.00.**

If wanted as Drill Seeder only, order No. 18. **Price, $7.50**

No. 12. Wheel Plow and Cultivator.

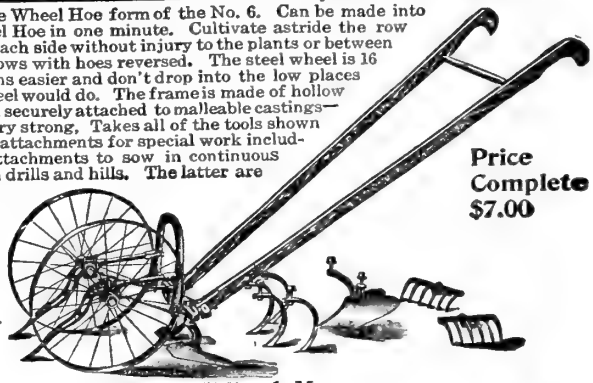


Price $3.50

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. It is not a cheap tool but is sufficiently low-priced to be within the reach of any laborer, mechanic, or owner of small garden with little money to invest in tools, or time to spare for anything but straight ahead cultivation.

No. 11 Wheel Plow and Cultivator is practically the same tool except furnished with plow only—a good tool to turn over the soil in the chicken yard. **Price, $2.50.**

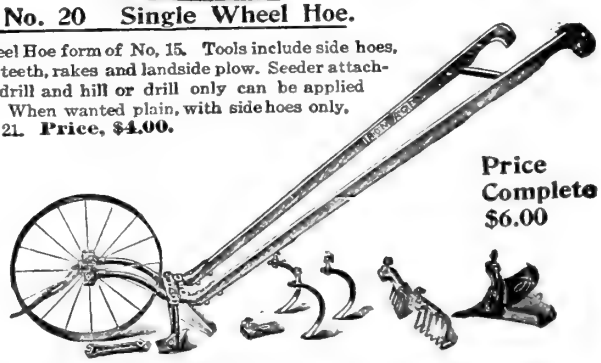
No. 1 Combined Double and Single Wheel Hoe.



Price Complete $7.00

This is the Wheel Hoe form of the No. 6. Can be made into Single Wheel Hoe in one minute. Cultivate astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The steel wheel is 16 in. high, runs easier and don't drop into the low places as a low wheel would do. The frame is made of hollow steel tubing, securely attached to malleable castings—light and very strong. Takes all of the tools shown and various attachments for special work including Drill Attachments to sow in continuous rows or both drills and hills. The latter are $4.00 and $5.00 respectively. If this Wheel Hoe is wanted plain with hoes only, order as No. 3. **Price, $4.25.**

No. 20 Single Wheel Hoe.



Price Complete $6.00

Thn Wheel Hoe form of No. 15. Tools include side hoes, cultivator teeth, rakes and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. When wanted plain, with side hoes only, order No. 21. **Price, $4.00.**

No. 25 Fertilizer Distributor and Attachment.

Capacity 4 quarts. Sows across the bottom of the furrow, or on either side or as side dressing for the growing crop. Side dressing is practiced more each year—forces maturity of the crop, making it more tender and salable. This attachment makes a complete practical tool at small expense.

This attachment is made to be applied to frame of the No. 20 Single Wheel Hoe. **Price, $4.50**

If wanted complete with frame wheel and handles. **Price, $8.00**

Price, Attachment, $4.50

No. 19 C Wheel Cultivator and Plow

Price No. 19 C $3.50

24-inch Wheel Steel Frame; Adjustable Handles.

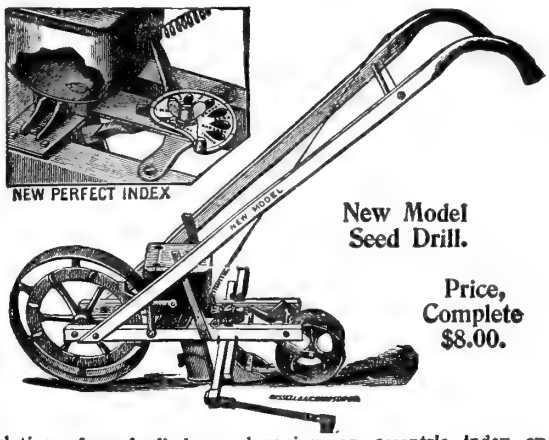
The working tools include set of three cultivating teeth, separate wide and narrow cultivating teeth, scuffle hoe, and landside plow.

SPECIAL DELIVERY

By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make QUICK SPECIAL DELIVERY of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

NEW PERFECT INDEX

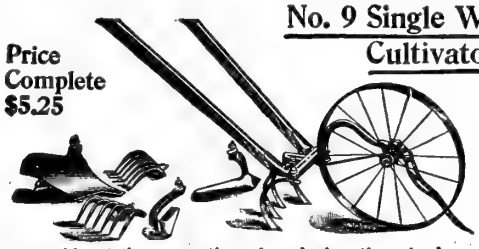
New Model Seed Drill.



Price, Complete $8.00.

Popular with seedsmen and market gardeners. Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

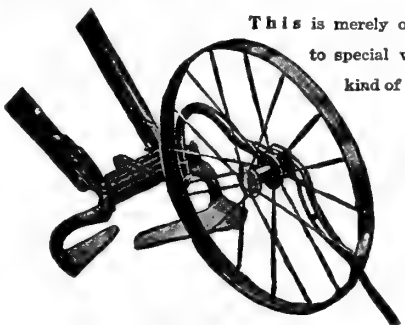
No. 9 Single Wheel Hoe, Cultivator, Plow and Rake.



Price Complete $5.25

For the kitchen, garden and poultry yard — there is use for it during all of the busy months. While it is a single wheel hoe, young plants can be hoed on each side at the same time, by placing the wheel on left side of frame. Complete set of tools furnished.

No. 10 Wheel Hoe—A Good Tool With Which to Work Onions.



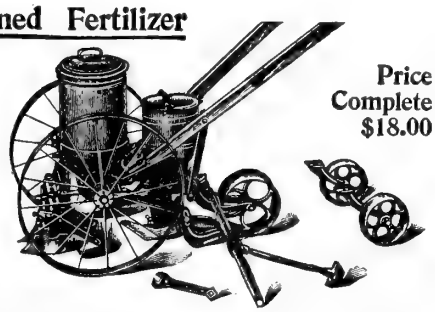
No. 10—Price $3.25

This is merely one form of No. 9, adapted to special work, but may be used in any kind of hoeing. Also note that

No. 18 B Iron Age Drill

is fitted with special opening Plow, which allows sowing seed for Onions, other than sets, in very narrow rows. This does away with hand weeding, as No. 10 can hoe close without injuring the plants. Price No. 18 B, $7.50.

No. 22 Combined Fertilizer Distributor, Hill and Drill Seeder.



Price Complete $18.00

Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed — no stoppage from small lumps. Coverers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on Nos. 6 and 15. Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.

Note: New Line of

IRON AGE BARREL SPRAYERS

Is shown on page 151

"Gem" Single Wheel Garden Hoe.

Price Complete $5.00.

A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.

No. 600EL Horse Hoe and Cultivator.

Price Complete $8.60

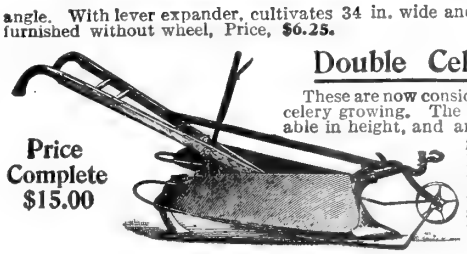
Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel, Price $8.00. or with plain wheel and without lever expander, Price, $7.00.

No. 1014EP Combined Harrow and Cultivator.

Price Complete $6.90

An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, Price, $6.25.

Double Celery Hiller.



Price Complete $15.00

These are now considered indispensable in celery growing. The leaf lifters are adjustable in height, and are especially valuable for first workings. Fitted with lever wheel, hilling blades, 43 inches long, adjustable in height or width as wanted.

VAUGHAN'S POULTRY DEPARTMENT

PRAIRIE STATE INCUBATOR

The Prairie State stands as the criterion in modern incubator construction and design.

As evidence of the adaptability of Prairie State Incubators—their latitude of efficiency under any conditions and in any climate—we refer to their equally successful operation in the heat of the West Indies and the Tropics, or in the cold rugged climate of northern Canada.

They are constantly in use in Australia, South Africa, and in every part of the United States, in Florida, and along the Gulf Coast, where humidity is high and where it is low, and likewise in the highest and dryest elevations of the Rocky Mountains.

Their construction is such as to make them of highest utility in any ordinary room in summer or in winter, without artificial heat in the coldest weather.

The Prairie State Incubator case is insulated, heavy and permanent. The heater is powerful and efficient, ventilation is free, and humidity is automatically supplied under every possible external condition. The regulator is sensitive and automatic.

The widest practice has conclusively demonstrated the entire Prairie State make-up to be such as to insure a latitude greater than that of any other incubator on the market today.

An efficient, gas tight heater of absolutely new design, approved by the National Board of Fire Underwriters, inspected by their authorized inspectors, and labeled by the Underwriters Laboratories, renders every Prairie State Incubator **INSURABLE** in any location without increased insurance rates. This heater supplies a constant current of warm fresh air to the upper part of the case which is distributed by a patent metal radiator, inducing circulation and distributing warm air to the cold parts of the machine by means of eddy-currents, with consequent uniform distribution under great ranges in temperature. The method insures proper temperatures and proper ventilation, air being applied at about the rate of ten cubic feet per minute.

No. 0—100 eggs, 135 lbs. crated, price.....**$18.00**
No. 1—150 eggs, 150 lbs. crated, price..... **22.50**
No. 2—240 hen eggs, 225 lbs. crated, price..... **32.00**
No. 3—390 hen eggs, 325 lbs. crated, price..... **38.00**

Prairie State "Keystone" Incubator

A reliable, durable, thoroughly practical and satisfactory machine in every way. The case is substantially constructed to withstand all outside atmospheric and temperature change. The hot air heating system gives the very highest efficiency, supplying all parts of the machine with pure warm air while an accurate and sensitive regulator absolutely prevents overheating. Very simple and economical, and a most desirable machine for hatching chicks for one's own use. Made in 2 capacities:

No. 0—Keystone, 60 hen eggs; 60 lbs. crated, price .....**$ 9.00**
No. 1—Keystone, 100 hen eggs; 80 lbs. crated, price..... **12.00**

Prairie State Universal Hovers

This device is what is used in Prairie State colony brooders. On account of its adaptability to so many varying conditions, the hover can be used in any style of a box, brooder or colony house, having two feet square or more of space—requires no cutting of floors, furnishes a top heat and does not weaken your chicks with bottom heat.

Hover with lamp case, smoke conductor, lamp and thermometer.....**$7.00**
(When used indoors alone, lamp case is not required.)

Hover and lamp with smoke pipes..... **6.00**
With regulator attached $1.00 extra.

Prairie State Portable Hover

An all-metal, asbestos-lined hover, complete with thermometer and regulator.
No. 1—Capacity 65 to 100 chicks, 50 lbs. crated, price.....**$8.50**

Prairie State Combination Colony Brooders

These brooders are made in three sizes, designated as Numbers 1, 2 and 3 giving a choice of floor space of 18, 12½ and 9 square feet respectively. They offer sufficient scope for almost any flock of ordinary size. The two larger sizes are two-compartment brooders having nursery room with hover separated from scratch room or sun parlor by a one inch partition with low wide door at bottom and slit cotton velvet curtain which gives the chicks easy access to or from either room. The number 3 brooder has both scratch room and nursery in one compartment. In all three brooders the floor is 6 inches from the ground, making it dry and warm.

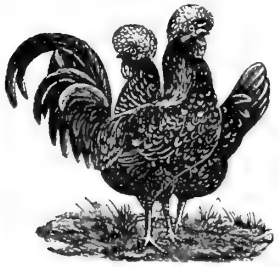
No. 1—(outdoor) weight, crated, 300 lbs **$20.00**
No. 2—(outdoor) weight, crated, 208 lbs **16.00**
No. 3—(outdoor) weight, crated, 150 lbs **12.00**
Heat regulator attached to any of the above brooders $1.00 extra

Prairie State Stove Brooder

This most modern of all brooding equipments has been developed to meet the demand of very recent years, for a device adaptable to the rearing of large flocks, from 250 to 1000 or more, which should be at once light in weight, indestructible, safe, sanitary and portable. It is not an ill-conceived make-shift, hurriedly marketed to meet a passing demand, but a thoroughly reliable brooder.

It is a solid cast iron stove resting firmly on its base with no legs to form a hot space under which chicks might crowd and be burned. The stove contains no sheet iron. Fresh air enters at base on a level with grate and draft is controlled by a sensitive, accurately balanced, triple-control regulator with wafer thermostat, all working parts being located under the canopy and so protected. The canopy is 52 inches in diameter, reinforced and hinged in the center, permitting the front half to be raised and hooked to chimney.

Gross weight 245 lbs. **Each $30.00,**



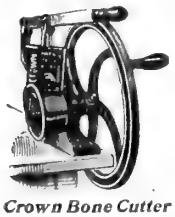
PRICES OF STOCK FOR BREEDING Furnished on Application.

HOUDANS

POULTRY SUPPLIES

BONE CUTTERS

Humphrey's Bone Mill. Open hopper. Four cutting knives. Very reliable machine; simple, durable and economical, easy to clean, and not liable to get out of order.



Crown Bone Cutter

No. 1—Hand Power.....**$12.00**
No. 2—Power only..... **13.50**
No. 2½—Hand and Power **15.00**

Crown Bone Cutter. Machine for 50 to 100 hens.
Weight with stand, 80 lbs.**$8.00**
Without stand, 50 lbs..... **6.50**

Wilson Dry Bone Mill.—Grinds grain, stone, etc. Economical, and easily operated. Without stand, **$5.00**; weight 33 lbs. With stand, **$7.00**; weight 64 lbs. Diameter of hand wheel 22 inches.

Wilson No. 0 Grist Mill will grind or crack all kinds of grain. Without stand, weight 30 lbs. Price **$5.00**. With stand, weight 60 lbs. Price, **$7.00.**

Humphrey Clover Cutter. Balance wheel makes work easy. Price **$10.00.**

Caponizing Sets. Book of Instructions with every set. Philadelphia Caponizing Set, complete, **$2.50.** Farmer's Caponizing set, complete, **$3.00.** Special Caponizing set, complete, mailing weight 8 ozs., **$4.00.**

Success Whitewash and Spray Pump. Price, complete, **$4.00.**

O-2, Whitewash Sprayer. Compress Air. Price, **$6.50.**

Spring Lever Poultry Punch. Best punch made. Price, postpaid, **27c.**

Leader Adjustable Leg Bands. Prices, doz., **15c**; 25, **25c**; 50, **40c**; 100, **75c**; postpaid.

Improved Champion Leg Bands. Prices, doz., **15c**; 25, **25c**; 50, **40c**; 100, **75c**; postpaid.

Smith Sealed Leg Bands. Prices, doz., **30c**; 25, **50c**; 50, **$1.00**; 100, **$1.50.**

Sealers. For Smith-sealed Leg Bands, mailing weight 5 ozs. Prices, plain, **50c**; nickeled, **75c.**

Wire Hen Nests. Each, **15c**; ½-doz., **75c**; doz., **$1.50.**

Porcelain Nest Eggs, 3c each; 2 for **5c**; doz., **25c.**

Peerless Hot Water Drinking Fountain. Price, **$1.50.**

Moe's Top Fill Drinking Fountain. 1 gal., **$1.25**; 2 gal., **$1.75**; 4 gal., **$2.25.**

Prairie State Fountains. Made of galvanized iron. 1 qt., each, **20c**; doz., **$2.00**; 1 gal., each **35c**; doz., **$3.25**; 2 qt., each, **25c**; doz., **$2.75**; 2 gal., each, **50c**; doz., **$4.75.**

Vaughan's Earthenware Fountain. Prices, 1 qt., each, **20c**; doz., **$2.25**; 2 qt., each, **30c**; doz., **$3.35**; 4 qt., each, **40c**; doz., **$4.50.**

Vaughan's Grit and Shell Box. Three compartments; very economical. Price. **50c**; per doz., **$5.50.**

Wooden Feed or Grit Box. Only one space. Price, **35c.**

Hub Chick Feeder. Absolutely sanitary. Price, 9-in. feeder, **35c**; 15-in. feeder, **50c.**

Reliable Egg Carrier. Compact and durable. A No. 1 Fillers, each, **50c**; per doz., **$4.25.**

Square Style Egg Carrier. Per doz., **15c**; 25 for **25c**; 50 for **45c**; 100 for **75c**; 1000 for **$7.00.**

Vaughan's Exhibition Coop. Price, trio size, **$2.25**; Pen size, **$2.50.**

All Wood Shipping Coops. Best on the market.

No.	Length	Width	Height	Each	Per Doz.
1	12	18	18	$0.30	$3.25
2	18	18	18	.35	3.65
3	12	21	21	.35	3.75
4	18	21	21	.40	4.50
5	24	21	21	.50	5.50
6	30	21	21	.55	6.00

PIGEON SUPPLIES

Jersey Perch. Best on the market. Each, **6c**; Doz., **65c.**

Vaughan's Pigeon Food. Put up as follows:
5-lb. cartons.....**$0.25** 50-lb. sacks.....**$1.50**
25-lb. sacks..... **1.00** 100-lb. sacks..... **2.50**

Foust's Health Grit. An all-around condition powder. 5 lbs., **25c**; 25 lbs., **75c**; 50 lbs., **$1.15**; 100 lbs., **$2.10.**

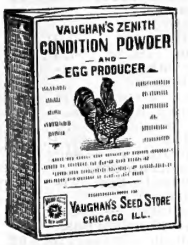
POULTRY BOOKS

The American Standard of Perfection. Cloth...**$2.00**
Farm Poultry Doctor. By Dr. W. N. Sanborn.. **.50**
Money in Broilers and Squabs. By M. K. Boyer. Best Book Published..... **.50**
Poultry Craft. By J. H. Robinson. 272 pp.... **2.00**
Poultry Account Book..... **.50**
The Practical Poultry-Keeper. By Lewis Wright. 300 pp. Profusely illustrated..... **2.00**
The Bantam Fowl. By T. F. McGrew. Only complete Bantam Book. 60 illustrations..... **.50**
999 Questions and Answers—On Poultry, Turkeys, Geese and Ducks, Diseases, Eggs, Incubators and Buildings. By Frank Heck..... **.50**
Reliable Poultry Remedies. Full instructions, 64 pp. 5x6 inches. Price..... **.25**
The Plymouth Rock—Barred, Buff and White. By experts in breeding..... **1.00**
The Wyandottes—Silver, Golden, White, Buff and Partridge. By experts. 160 pp..... **1.00**

NOTICE—All poultry orders of $3.00 and over are delivered free within 25 miles of our Chicago store (oyster shells and grit excepted unless accompanied by general order). Outside this limit prices F. O. B. Chicago. This does not apply to wholesale orders, nor goods in cases, sold on special quotations.

POULTRY FEEDS AND CONDITION POWDERS

VAUGHAN'S ZENITH CONDITION POWDER



This stands at the head of Condition Powders. It is scientifically compounded, thoroughly balanced, pure and free from any harmful substance. A condition powder given at intervals of 2 or 3 days apart is a great benefit to keep the fowls in the pink of condition and enable them to bear up under the egg-forcing process.

2¼ lb. box **25c**
6 lbs **50c**

Directions for feeding on package.

VAUGHAN'S GROUND BEEF SCRAPS

Or Prepared Meat for Poultry

This is the finest thing to stimulate hens during the winter. Mix with the daily mash and feed three times a week at the rate of 1 oz. to each fowl.

100 lbs ..... **$3.50** **25 lbs** **$1.15**
50 lbs ..... **1.90** **5 lbs** **25**

VAUGHAN'S MEAT AND BONE

This is a special preparation containing all the elements of our meat meal with the addition of fine ground bone, thus furnishing more lime to laying hens and producing a food of great strength and growing properties for maturing stock.

100 lbs ..... **$3.00** **25 lbs** **$1.10**
50 lbs ..... **1.80** **5 lbs** ..... **.25**

CRUSHED OYSTER SHELLS

100 lbs ..... **$0.85** **25 lbs** **$0.25**
50 lbs ..... **.50** **5 lbs** ..... **.10**

CONKEY'S STARTING FOOD

3 lbs ..... **$0.25** **6½ lbs** **$0.50**

GROUND BONE

200 lbs ..... **$5.75** **25 lbs** **$0.90**
100 lbs ..... **3.00** **5 lbs** ..... **.25**
50 lbs **$1.75**

CHARCOAL

Coarse, Ground or Granulated

100 lbs ..... **$2.25** **10 lbs** **$0.50**
50 lbs ..... **1.25** **1 lb** ..... **.10**

HULLED OATS

100 lbs ..... **$3.85** **25 lbs** **$1.15**
50 lbs ..... **2.00** **4 lbs** ..... **.25**

CRACKED CORN

Valuable for mixing and feeding with other grain.

100 lbs ..... **$2.25** **25 lbs** **$0.75**
50 lbs ..... **1.25** **5 lbs** ..... **.20**

ALFALFA CLOVER MEAL

100 lbs ..... **$2.25** **25 lbs** **$0.75**
50 lbs ..... **1.25** **10 lbs** ..... **.40**

YANKEE CORN

100 lbs ..... **$2.75** **25 lbs** **$0.90**
50 lbs ..... **1.50** **10 lbs** ..... **.45**
5 lbs **25c**

HARD RED WHEAT FOR PIGEONS

Extra choice recleaned seed.

100 lbs ..... **$2.75** **50 lbs** **$1.60**
5 lbs **25c**

TARES OR VETCHES

Used extensively for feeding pigeons.

100 lbs ..... **$5.25** **25 lbs** **$1.60**
5 lbs **40c**

PRATT'S BABY CHICK FOOD

3 lbs ..... **$0.25** **6½ lbs** **$0.50**

PHEASANT FOOD

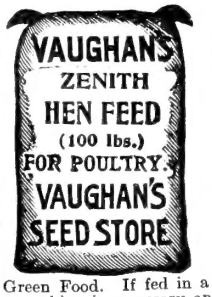
Crissel or Prairie Meat

100 lbs ..... **$5.75** **25 lbs** **$1.65**
50 lbs ..... **3.00** **5 lbd** ..... **.35**

Spratt's Game Meal

100 lbs ..... **$6.00** **25 lbs** **$1.90**
50 lbs ..... **3.25** **5 lbs** ..... **.40**

VAUGHAN'S ZENITH HEN FEED



Contains no grit or shell. Every ounce is pure, sound grain. We choose all the grain very carefully and after mixing it an electric apparatus removes the dust. The mixture is scientifically prepared to make it the cleanest feed and best balanced ration. It is ideal for maturing chicks and laying hens.

Because Zenith is an all-grain mixture it is advisable in feeding to supply, in addition, Grit, Bone, Meat Meal, Charcoal and Green Food. If fed in a litter of cut clover or hay, scratching is necessary and is an extremely beneficial exercise for the poultry.

100 lbs ..... **$2.35** **25 lbs** **$0.75**
50 lbs ..... **1.25** **10 lbs** ..... **.35**
5 lbs ..... **20c.**

VAUGHAN'S CHICK FEED

This contains all that is necessary for chickens until they are four or five months old, except water (or preferably skimmed milk) to drink, and clean fresh grass or green feed. With proper care and attention to their surroundings this Food will raise every chick. Never feed more than they will eat up clean and make them hunt or scratch for most of it. Turn food out and mix well together, as grit and small seeds settle to the bottom of packages.

GRADES

Fine. For chicks up to six weeks old.

Coarse. For chicks 6 weeks to 4 months old.

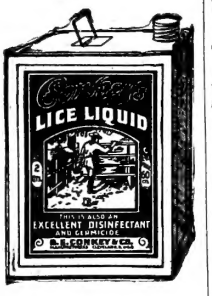
Chicks grow strong and healthy if fed with **Vaughan's Chick Feed.**

NET PRICES

100-lb bags ..... **$2.50** **25-lb. bags** **$1.00**
50-lb bags ..... **1.50** **5-lb carton** ..... **.25**

POULTRY REMEDIES

CONKEY'S LICE LIQUID



The Mite requires entirely different treatment than the louse. No powder will entirely rid you of the Mite and until you are rid of him he will multiply until every fowl you have is rendered useless from exhaustion. The Mite will do more to reduce the profit of your fowls than all other varieties of vermin combined. Conkey's Lice Liquid will immediately destroy these terrible pests and will rid your poultry house of its greatest profit killer.

Price, 1 qt. can, 35c; ½ gal., 60c; gal., $1.00

Conkey's Noxicide. Disinfectant, deodorant and germ diastase. Price, 1 pt., **35c;** 1 qt., **60c;** 2 qt., **90c.**

Sandford's Liquid Lice Killer, Successfully exterminates lice. Price, 1 qt., **35c;** ½ gal., **60c;** 1 gal. **$1.00.**

CONKEY'S LAYING TONIC

Price, 1½-lb. pkg. . . **25c** **3¼-lb. pkg** **50c**

PRATT'S POULTRY FOOD

26-oz. pkg., ea. . . **$0.25** **4-lb. pkg., ea** **$0.50**
26-oz. pkgs., per doz. . . . **$2.50.**

GROUND RED PEPPER

Mix this with red albumen for a worm food.

Per lb **$0.35**

VAUGHAN'S GOOD HEALTH FOR POULTRY

A positive cure and preventive for colds; sore mouth, canker, sore eyes, sore breast, back or shoulders, cracked heels, thrush, wounds, sores, saddle galls and roup.

Large Bottle **$0.50**
Small Bottle ..... **.25**

Conkey's Head Lice Ointment. Price, 1 oz., **10c;** 3 oz., **25c.**

Sandford's Lice Powder. Price, 15 oz., **25c;** 48 oz., **50c;** 100 oz., **$1.00.**

Conkey's White Diarrhoea Remedy. Mailing weight, small, 4 oz; large, 7 oz. Price, large box, **50c;** small box, **25c.**

Conkey's Roup Remedy. Mailing weight, small 5 oz; large, 11 oz. Price, **50c** and **$1.00,** postpaid.

Conkey's Poultry Conditioner. A general invigorator. Mailing weight, 28 oz. Price, **25c.**

Conkey's Lice Powder. It is also an effective disinfectant. Price, 15 oz., **25c;** 48 oz., **50c;** 100 oz., **$1.00.**

Conkey's Roup Pills. Very convenient for treating individual birds, large pkg., 175 pills, **50c;** small pkg., 75 pills, **25c.**

Conkey's Sore Head and Chicken Pox Remedy. Package containing ointment for sores and powder for internal treatment, small pkg., **25c;** large pkg., **50c.**

Conkey's Gape Cure. Per can, **50c.**

Conkey's Scaly Legs Remedy. Per can, **50c.**

Pratt's Roup Cure. Package, **25c; 50c; and $1.00.**

Pratt's White Diarrhoea Remedy. Package, **25c;** larger, **50c.**

Pratt's Sore Head and Chicken Pox Remedy. Package, **25c.**

Pratt's Gape Remedy. Package, **25c.**

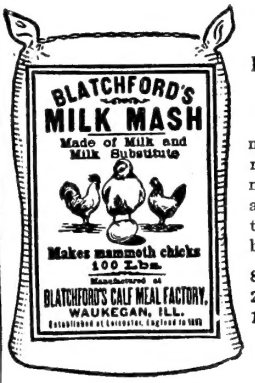
Pratt's Condition Tablets. Package, **25c.**

Pratt's Cholera Remedy. Package, **25c;** larger, **50c.**

Pratt's Lice Killer (Powder). 1-lb. can, **25c;** 2½-lb. can, **50c.**

Pratt's Lice Killer (Liquid). Quart, **35c;** 2 qts., **60c.**

Vaughan's Seed Store issues a Special Poultry Catalogue containing much valuable information for poultrymen. This catalogue will be sent free for the asking.



BLATCHFORD'S MILK MASH

Best substitute for milk. Contains dry milk, grains, bone meal, beef scrap, bran and grit, combined in the right proportion for baby chicks.

8⅓-lb sacks **$0.35**
25-lb sacks . . . . . **.75**
100-lb sacks **2.75**

BLATCHFORD'S EGG MASH

Dry milk and ground grains, prepared so as to make a splendid everyday feed, and to stimulate egg production.

8⅓-lb sacks **$0.30**
25-lb sacks ..... **.75**
100-lb sacks **2.75**

PURINA CHICKEN CHOWDER

A dry mash to be left in open hoppers at all times The more your poultry eats of this the better. It contains just the nutriments for rapid development, and large egg production.

8⅓-lb sacks **$0.25**
25-lb sacks ..... **.75**
100-lb sacks **2.75**

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SEED INSURANCE

The Price Paid for Good Seeds Is Cheaper Insurance Against Crop Failures or Disappointment Than Any Rate Ever Made Against Fire, Accident, War or Other Risk

The garden has been dug, fertilized, and prepared for sowing. The seed must be planted, the growing plants thinned, the ground must be cultivated and worked, the weeds cut out. Why chance disappointment, failure and loss? Insure yourself by buying the best seeds—cheap and poor seeds go inevitably together. Vaughan's Seed Store for thirty-eight years has been supplying a constantly growing trade of professional gardeners whose products must be the best for their living depends on what they raise—and the fact that in the market-growing sections of the country Vaughan's Seeds are almost invariably the first choice of the planters, is our best evidence of merit

A Packet of Seed—Onion is one of the first vegetables for early sowing. The earlier the onion is sown the better the yield. The package of seed we plant—have you ever considered the hidden dormant possibilities lying under its seed coats—of the tiny grain kernels—these seeds, are they foundlings without parents or heritage or have they a history and a lineage of blooded ancestors? They may have come from the Mediterranean shores of Italy or Southern France, or from the shores of the North Sea, Holland or Germany, or from the Spanish shores of the Atlantic or Teneriffe Islands, or they may have been grown East, West or in the Central States of the United States. The potential differences of such diverse origins, what of them? Some of those Southern European Onion Seeds are cheaply produced from bulbs left in the ground from year to year and in a short time the seed forgets to produce anything but stalks—no big onions but stalky scullions, no large, round onion bulbs at all. Most of the Southern Onions, too, are poor keepers. They will not do for winter storage. German grown seed for some inexplicable reason produces onions with stiff, thick necks which do not properly dry down for winter storage. California strains ripen their bulbs well but for some special purposes their crop shows too many mixtures, light color and a tendency to decline in globe varieties to flat, irregular types, unsalable in some markets. To offset these tendencies these far western growers annually buy new seed stocks in the Central East.

Know What You Are Buying. Therefore it behooves one to know what one is buying and such buying is best done from a catalogue description. With the exception of short crop seasons, where outside purchases are necessitated, Vaughan's Seed Store can trace back to the grower every packet of seeds which it sends out. How is it with the commission seed packets bought at a local store? If such seeds are labeled with the name of a reliable firm they probably have a life history. The U. S. Government in a recent bulletin tells us that a large percentage of such seeds show less than 50 per cent vitality, undoubtedly caused in part by the mixture of seeds returned in old packets with fresh seeds. Besides lost vitality, this mixture may result in a product showing many different types. Why not insure with us against such chances—buy seeds of known parentage and vitality—**tested seeds.** Every lot of seed sold by Vaughan's Seed Store is tested for germination. We know it grows satisfactorily or we do not send it out. All our field seeds, grasses, clovers and the like are tested for purity, freedom from weed seeds, and for germination, and in most cases these tests are confirmed by government tests. Soil tests are made at our greenhouses on all those kinds which in our laboratory incubator tests do not show satisfactory results.

Safety First with the Grower or Seed Raiser. No seedsman, whatever the extent of his trade, owing to the wide range of country from which the stocks must be procured, can grow more than a modest percentage of the seeds which he sells. He must rely very largely upon his farmer growers, each a specialist in a few kinds, whether of vegetables or flowers. Such contractors often produce crops for many seedsmen. There are many such contract seed producers all through the United States, good, bad and indifferent, and the seedsman who prizes his reputation depends on the **quality grower** whose products he has seen in the fields and whose seeds he has tested for germination. If there are any better growers than those who produce vegetable and flower seeds for Vaughan's contracts, we would like to find them.

We constantly visit the seed growing districts in this country and in Europe through our expert representatives giving us most accurate record on the operations of the best seed breeders of the world. Our farms in Illinois and Michigan, and our trial grounds at Western Springs, near Chicago, afford us proof positive of highest quality when our seeds are tried out with the best offerings of the world's seed production. If our average should fall below on any types we are constantly seeking better ones and no time is lost in adding these to our stock.

By this mark we indicate those varieties of seeds which we grow ourselves or furnish stock seed for growing and of which we maintain exclusive control. This comes nearest to seed crop insurance, that to our knowledge can be offered to you.

Drug Store Order Filling. Even after seed has been grown carefully the whole work may be ruined by careless order fillers taking stock from the wrong seed bins. We have devised a system of double checking which prevents errors of this or of a similar nature; and a customer writing us can be told at once the life history of the seeds used on his order, their germination test, with trial-ground report by mid-summer.

Vaughan's Greenhouses at Western Springs, Ill., Where We Grow Our Early Plants and Make Tests of Seeds Under Actual Growing Conditions.

VAUGHAN'S

GLADIOLI